

VOL. XXXVII NO. 50 PAGES 96

NEW DELHI 16-22 March 2013

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JOB HIGHLIGHTS

UPSC

 Union Public Service Commission notifies Civil Services and Indian Forest Services Examination-2013

Last Date: 04.04.2013

SSC

Staff Selection
 Commission will hold an all
 India Examination for
 recruitment to the post of
 Sub-Inspectors in Delhi
 Police, CAPFs and
 Assistant Sub-Inspector in
 CISF and Intelligence
 Officer in NCB

Approximate Vacancies : 2240 Last Date : 12.04.2013

CABINET SECRETARIAT

 Cabinet Secretariat requires 279 Research Officer, Personal Assistant and Stenographer

Last Date: 17.04.2013

ORDNANCE FACTORY

 Ordnance Factory, Kanpur requires 100 Labourer (Semi-Skilled)

Last Date : 21 days after Publication

INDIAN OIL

 Indian Oil requires about 61 Junior Engineering Assistant-IV, Junior Quality Control Analyst-IV/Trainee etc.

Last Date: 31.03.2013

Turn over the pages for other vacancies in Banks, Armed Forces, Railways, PSUs and other Govt. Deptts

IMPORTANT

The Union Public Service Commission has notified the Civil Services Examination 2013 and the India Forest Service Examination 2013. There are major changes in pattern in both the examinations.

Employment News begining 23/03/13 issue will be publishing write-ups on the new pattern. The articles will be authored by experts in this field.

Candidates desirious of taking up these exams will be benefitted by the articles.

Defence Acquisition Process and National Security Goals

- Bharat Verma

n the event of any future conflict, New Delhi's political will and the capabilities of the Indian military should be such that China and Pakistan are hard-pressed to defend Tibet and Lahore respectively instead of threatening Arunachal and Kashmir. These capabilities will act as a major deterrent.

However, with the present defence procurement systems, inconsistency in decision making, extreme level of corruption involved, it is difficult to build military capabilities for the armed forces in tune with the multiplying threats to India. The threat comprises two-front-war imposed by China in collusion with Pakistan. Both countries lay claim to large area of Indian territory. In addition with 40% of the territory under control of Maoists, a half front war may suck in large military assets.

Due to neglect by the state for decades, Indian military power is in decline and its capabilities are shrinking. The equipment held on the inventory is ancient and archival. Yet, the military is expected to successfully defend the borders of the country. New Delhi's neglect of its military over decades is gradually but surely, destabilising the 'final' instrument of

the State with morale plummeting to the lowest levels since independence. To add insult to injury, the budgetary cut of Rs 10,000 crore imposed recently by the finance ministry will adversely impact the muchneeded military modernisation. China and Pakistan are emboldened at the move by the Indian Finance Ministry that will degrade the military further. Meagre budgetary allocation for defence and the bureaucratic red tape involved in the acquisition process have placed the defence services in a tight spot. In such a milieu compounded by acute scarcity of equipment and human resources, plummeting morale in the armed forces is not surprising. Today, India is in no position to deal with threat from China or fight a two-front war if imposed on it after the withdrawal of Western forces from Afghanistan.

The harsh reality is that if the Indian Army is incapable of protecting the borders, the Union of India will disintegrate within no time. Another issue of concern is that the police and the CRPF cannot successfully counter the Maoist onslaught. Unfortunately, sooner or later, the Army will be called in to take charge of the operations against the Maoists. By arming

Maoists, Beijing and Islamabad want to ensure that Indian Army's attention is diverted from the borders to handle the growing internal turmoil. This will further stretch the military which is already under considerable pressure on account of capability degradation owing to the callous apathy of the political leadership.

In addition to human resources, no military can pack the extra punch unless it is equipped with the most modern weaponry. At the same time, a nation cannot be a great power unless it boasts of a fairly large defence industrial complex. The reason India is one of the world's largest importers of defence equipment today is due to the fact that under the disguise of 'self-sufficiency' mantra. scarce and precious resources of the nation have been squandered largely due to the inefficiency of the Defence Public Sector Units and the DRDO. One of the main reasons for delay in the production of the Scorpene submarine is the fact that it took a huge effort for DCNS of France to upgrade and modernise the public sector shipyard Mazagon Docks!

Today, the war-fighting equipment

Continued on page 95

State of the Economy and the Budget 2013-14

- Bibek Debroy

et's begin with Economic Survey, 2011-12. This begins with the following opening sentences. "While India's recent slowdown is partly rooted in external causes, domestic causes are also important. The strong post-financial-crisis stimulus led to stronger growth in 2009-10 and 2010-11." Here are the real GDP growth numbers - 8.6% in 2009-10, 9.3% in 2010-11, 6.2% in 2011-12 and 5.0% in 2012-13. Note that CSO's 5% for 2012-13 is no longer being challenged. Why did growth slow in 2011-12 and 2012-13? According to Survey, this is because of "high rates and policy constraints". Later, we are told, "A number of factors are responsible. First, the boost to demand given by monetary and fiscal stimulus following the crisis was large...The result was strong inflation and a powerful monetary response that also slowed consumption

Second, starting in 2011-12, corporate and infrastructure investment started slowing both as a result of investment bottlenecks as well as the tighter monetary policy. Thirdly, even as the economy slowed, it was hit by two additional shocks: a slowing global economy, weighed down by the crisis in the Euro area and uncertainties about fiscal policy in the United States, and a weak monsoon,

at least in its initial phase." It then adds, "A third possible reason for lower corporate investment is policy bottlenecks (such as obtaining environmental permissions, fuel linkages, or carrying out land acquisition), which led to a number of large projects becoming stalled, which may in turn have discouraged new investment."

As the budget speech says, it is important to get back to growth and stimulate both consumption expenditure and private investments. But it is unreasonable to expect the budget to do this. It is only one instrument. The 2013-14 budget numbers are based on a projected nominal GDP growth rate of 13.4%. This is what the budget speech says. "In the current year, the CSO has estimated growth at 5 percent while the RBI has estimated growth at 5.5 percent." And this is what Economic Survey added, in addition to what was stated earlier. "Quarterly GDP growth rate in India declined in each of the successive quarters between the fourth quarter of 2010-11 and the fourth quarter of 2011-12. Growth in H1 of the current year works out to 5.4 per cent, while the CSO's Advance Estimate for growth for 2012-13 is 5.0 per cent." Therefore, in the last 6 months of 2012-13, the economy grew at 4.6%.

Yes, Economic Survey expected a

growth rate of between 6.1% and 6.7% in 2013-14. Survey has identified reasons for the slowdown, but hasn't told us why it expects these to be reversed and growth to pick up from 4.6% to 6.1% to 6.7%. Or at least, the recent reform initiatives Survey has mentioned aren't terribly convincing. The argument isn't that growth will continue at 4.6%. It will probably inch up. However, it may inch up to 5.5%, perhaps 6% as an outer limit. In that event, even if inflation (measured by the GDP deflator) is 7%, the nominal GDP growth becomes 13%, not 13.4%. In other deficit numbers respectable because the denominator has been blown up. The actual denominator is likely to be lower.

On the face of it, the Finance Minister has stuck to so-called red lines, both in 2012-13 and in 2013-14. The fiscal deficit/GDP ratio was 5.2% in 2012-13 and will be 4.8% in 2013-14. By 2016-17, the ratio will be brought down to 3%. Roughly, 0.5% reduction a year is doable. This is marginally above, but achievable, though tough, provided one can stick to 4.8% in 2013-14. 5.2% in 2012-13 was achieved by dramatically pruning Plan expenditure. More interesting is how one can get 4.8% in 2013-14 and whether the numbers are believable.

Continued on page 95

GAMING AS A CAREER

nline gaming is the most happening activity in the entertainment sector today. You find people of all ages hooking on to these games - be it video games, wireless gaming as those on handheld devices or PC and console-based like Playstation, Xbox and others. Gaming on mobile phones has indeed become the fashion of the day. With the online gaming on its upward trend, the game design and development has now become an exciting and lucrative field.

Gaming business is a highly costly affair. According to experts in the field, the cost involved may range anything between \$4-10 million for the entire process of design, development and delivery. The time taken for the activity is approximately two years. The industry is vastly developed in the western world while it is in its budding stage in India. But various international gaming studios are outsourcing their projects to Indian workforce owing to the expertise and low costs here.

According to NASSCOM and other popular market research firms, the Indian gaming industry is expected to grow by 53% by the end of 2013 and generate approximately Rs. 3,100 crore by 2014. With such promising statistics, the online

gaming is industry is all set to offer a bright career for Indian aspirants. Another good news is that the besides the international themes like FIFA, Spiderman and others, the craze for Indian themes is on the raise now.

The Indian gaming market has a lot to offer for the enthusiastic youngsters who are keen to exhibit their talent and bring out their potential. The gaming industry is both exciting and rewarding. Developers, designers, programmers, artists and testers have fabulous positions in the gaming field. While programmers engage themselves in developing codes and creating complex functions, designers take care of the touch and feel experience and delivering the fun element. Apart from these roles, animators, texture and concept artists, audio composers and producers have a pivotal role in the gaming industry. Likewise, testers are offered a challenging task of actually testing the functionality of the online games on different platforms and report the bugs if any. Thus the industry provides the aspirants an opportunity to prove their expertise to entertain game-lovers across the

Making a successful career in the online

gaming industry is not as simple as it sounds. Enormous perseverance, self-motivation, passion, creativity, aptitude are some of the desired qualities the employers look for in the candidates. Being technically proficient and possessing artistic skill-set are other prerequisites

Academically, one needs to have a degree or diploma in computer science or fine arts. The aspirants can opt for any of the short-term courses or take-up game development programmes at the diploma, undergraduate or postgraduate levels. Based on their interest, they can pursue courses in character designing, 3D animation and graphics, user interface designing and audio programming

among others. They should be having thorough knowledge in Flash, ASP, WAP, Java, C++, and Shockwave to become programmers. As aspirant artists, one needs to have good knowledge in Maya, 3DS Max, Adobe Photoshop, Deep Paint, Zbrush and other digital sculpting applications and also Illustrator among others. The scope for jobs in this field is wide and varied. One can find placements in companies like Zapak, Hungama, Wipro, E4E and many more in areas of 3D games, Web 3D graphics, simulator graphics and interactive demos apart from the specialised area of game testing. The salary package ranges from Rs.12,000-Rs. 20,000 depending on the position and the company that hires you.

DIARY OF EVENTS

(09.03.2013 to 15.03.2013)

- The Union Cabinet has approved a Bill on providing time-bound services to citizens like passports, pensions, birth, death and caste certificates.
- MGNREGA workers will now get more money from April 1.
- Indigenous developed "Pinaka" rockets were successfully test-fired from a multi-barrel rocket launcher (MBRL) at Chandipur in Odisha.
- The Uttarakhand Forest and Police Department have received a rare honour for their work in combating wildlife crime. The State figured among the 10 recipients across the world to have received the award given during the 16th Conference of Parties (CoP) of the CITES (Convention on International Trade in Endangered Species of Wild Fauna and Flora) in Bangkok.
- Moody's Analytics, a subsidiary of global rating agency Moody's, has revised its GDP growth forecast for India from 5.1% to 6.2% for 2013 and predicted further possibility of achieving 8% GDP growth for 2014 onwards.
- Bangladesh presents the country's highest honour "Liberation War Honour" to President Pranab Mukherjee in Dhaka.
- The first Tagore Award for Cultural Harmony for 2012 has been conferred on late sitar maestro Ravi Shankar. The award carries a prize money of Rs 1 crore, shawl, plague and a citation.
- The victim of the December 16 Delhi gang-rape will be posthumously honoured by the US Government with its Secretary of State's International Woman of Courage Award.
- Mahesh Bhupati wins his first title of the 2013 season when he along with French man Micheal Llodra to edge past Robert Lindstedt and Nenand Zimonjic in the summit clash of the Dubai Tennis Championships.
- India defeats Australia in the 2nd Test in Hyderabad.
- Olympic champion Jenn Suhr lit up the US indoor athletics championship by leaping 5.02 meters to set a new women's pole vault world record.

Colleges and Courses

	Conce	- ua - o -		
College	Course	Eligibility	Admission	Website
ICAT Design and Media College, Hyderabad	BA Digital Media with Game Design and Game Development as specialisations	+2	Aptitude test	www.icat.ac.in
	B.Sc Digital Media with Game Design and Game Development as specialisations			
	PG Diploma in Game Design and Game Development			
MAEER's MIT Institute of Design, Pune in collaboration with	BA (Hons) Computer Arts for Gaming	+2	Entrance test	www.mitid.edu .in
Abertay University,	Post Graduate	Graduation		
Dundee Scotland)	Programme in			
	Computer Arts for			
	Gaming			
Arena Animation, Hyderabad	Arena's Game Art and Design course	+2	-	www.arena- multimedia.com
Academy of Animation and	B.Sc Gaming	+2	-	www.aaggurga on.in
Gaming, Gurgaon	M.Sc Gaming	Graduation		
Media Arts and Science College, Chennai	B.Sc Gaming	+2	1	http://masc.asia
Amplify Mindware,	Bachelor of	+2 (MPC)	Performance at	www.amplify
Pune	Science in Animation and Gaming	with 50 per cent marks	entrance test, group discussion and personal interview	mind.com
International Academy of Computer Graphics, Hyderabad in collaboration with	Bachelor of Multimedia	+2 with at least 55 per cent marks	-	www.iacg.inf
JNTU	M.Sc in	Graduation		
	Multimedia	with at least 55		
		per cent marks		
Jawaharlal Nehru Architecture and Fine Arts University, Hyderabad	BFA with Animation as a specialisation	+2	Performance at entrance tests	http://jnafau.ac. in
BITS, Jaipur	B.Sc Animation and Multimedia	10+2 with minimum 60 per cent marks and minimum 50 per cent marks in all the required subjects at 10+2 level	Merit, rank and performance at Creativity Aptitude Test.	www.bitmesra. ac.in
Anna University, Chennai	M.Tech in Multimedia	BE/ B.Tech in CSE/ IT/ EEE/ ECE or Electronics	Performance at entrance test/	www.annauniv .edu
SRM University, Kancheepuram District	M.Tech in Multimedia Technology	BE/ B.Tech in any branch or M.Sc in Computer Science/ IT or MCA	Performance at All- India Engineering Entrance Examination of SRM University (SRMEEE) or GATE	www.srmuniv. ac.in

((The write up is contributed by TMIE2E Academy Career Centre based in Secunderabad

| ((The write up is contributed by TMIEZE Academy Career Centre based in Secund e-mail : faqs@tmie2e.com)

FORM - IV

(See Rule)

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I, Ira Joshi, hereby declare that the particulars given above are true to the best of my knowledge and belief.

Sd/-

(Ira Joshi) Publisher Employment News 16- 22 March 2013

www.employmentnews.gov.in

Government of India Ministry of Defence

Indian Ordnance Factories

Online applications are invited from the Citizens of India only for the following Group 'C' posts from

Ordnance Factory, Kanpur - 208009 (UP)

the candidates who are fulfilling the requisite qualification/specification as mentioned below. The intending candidates must visit the factory's website at the address http://www.ofkanpur.gov.in and carefully read all the provisions/stipulations/conditions/ instructions etc. given in the adver-

tisement before proceeding to apply for the post									
1. Name of Post, Pay Band, No. of Vacancies:									
Name of the post, Pay Group		Num	ber of v	/acanci	es with	reserv	ed ca	tegory	_
Band (PB-1) with Grade Pay		UR	SC	ST	OBC	Total	PH	Ex-SM	_
LABOURER(SEMI-SKILLED)									
Pay Band (PB-1) : ₹ 5200-20200	С	50	22	02	26	100	03	10	

The no. of posts in Semi-skilled category may likely to be increased marginally. (Abbreviation: SC - Scheduled Caste, ST - Scheduled Tribe, OBC - Other Backward Class, PH Physically Handicapped, Ex-SM - Ex-Serviceman)

Post reserved for Physically Handicapped and Ex-Serviceman will be adjusted by Horizontal

Reservation i.e. the selected candidates will be adjusted against the categories of GEN/SC/ST/OBC to whom they belong. 1. The number of vacancies mentioned above is provisional which can be increased or decreased

at the discretion of the competent authority. 2. If the no. of applications received in response to this advertisement is large and it may not be convenient or possible to examine all the applications, the GM at his discretion may restrict the

no. of candidates, to a reasonable limit on the basis of qualification and experience, higher than

Upper age limit + 5 years

Upper age limit + 3 years

the minimum prescribed in the advertisement. 3. Age Relaxation:

Age Limit :- 18 to 32 years.

For SC/ST candidates

For OBC candidates

Relaxation upto 10 (Ten) years for UR candidates, 3. For PH (PC) candidate Relaxation upto 15 (Fifteen) years for SC/ST candidates

Relaxation upto 13 (Thirteen) years for OBC candidates. 4. No age relaxation will be available for the candidates reserved category applying for unreserved posts. 5. Up to the age of 40 years to Government Servant who have completed minimum 3 years reg-

ular service. 6. For Ex-Serviceman - The upper age limit shall be relaxed by the length of military service

increased by three year plus age relaxation to the Ex-Serviceman candidates belonging to SC/ST/OBC/PH as mentioned above. 4. Essential Qualification: 10th Passed/SSC Certificate.

₹ 50/- (₹ Fifty only) through Crossed Indian Postal Order (IPO) or Crossed Bank Demand Draft

(Nationalized Bank) of recent date drawn in favour of General Manager, Ordnance Factory,

Kanpur - 208009, payable at Kanpur Branch. Application Fee should be submitted along with application form. However, no fee will be charged from SC/ST and Ex-Serviceman candidates. 6. How to Apply:-

i) The candidates who fulfill the requisite qualifications/specifications as mentioned above have to apply ON-LINE through website http://www.ofkanpur.gov.in only. ii) After submitting the online application and upload recent photograph, a Serial No. will be

generated automatically. The Mobile number and date of birth (both) of candidate should be used for taking the printout/hard copy of filled in application and send this application to Ordnance Factory, Kanpur duly completed in all respect. While sending the application, these instructions

iii) Upload a recent color passport size 20 KB JPG photograph and signature size 10 KB JPEG/JPG of the candidate on specified space. iv) The printout of the filled application form should be impression of left hand thumb at proper place sent to Ordnance Factory, Kanpur. Applications should be addressed to - The General

Manager, Ordnance Factory, Kanpur - 208009 (UP). v) Alongwith the application attested copies of the following documents must be attached:

Copies of requisite certificates in support of age (Date of birth) and qualification, experience, caste certificate in respect of SC/ST/OBC candidate and valid Non-creamy layer certificate in respect of OBC candidates.

vi) Crossed Indian Postal Order (IPO)/Demand Draft of value of ₹.50/- (₹.Fifty only) in favour of The General Manager, Ordnance Factory, Kanpur payable at 'Kanpur'. However, candidates belonging to SC/ST and Ex-Serviceman need not send any Indian Postal Order. The examination fee is Non-refundable.

vii) The complete filled-in application along with the above enclosures should be directly sent to the Addressee in an envelope clearly written with words (in capital letter) i.e. "APPLICATION FOR THE POST OF LABOURER (SEMI-SKILLED)". viii) Persons working in Government servant must apply through proper channel only.

ix) SC/ST/OBC Certificate should be in the prescribed format issued by the competent authority, applicable for reservation in jobs under Govt. of India. x) The candidates seeking OBC reservation is required to submit a certificate regarding his OBC

status and Non Creamy layer status issued by a Competent Authority and should be valid on the last date of receipt of application. 7. Photographs:

The candidate should upload his/her recent (not more than three months old) passport size 20 KB JPEG/JPG photograph and signature size 10 KB JPEG/JPG on the on-line application.

8. Rejection of Application: The application shall be summarily rejected on following grounds. 1. If, application is received after the last date of receipt of printout of application form.

2. If, Date & signature is not appended in the Application form at the prescribed places. 3. If, the candidate does not put Thumb Impression' in the application form at the prescribed

4. If, Demand Draft/Indian Postal Order is drawn before the Publication of this advertisement or is 5. If, the age of the candidates exceeds the prescribed age limit on the closing date.

If, copies of all supporting documents duly attested by Gazetted Officer are not enclosed. 8. In case of OBC candidates if valid 'Non-Creamy-Layer' certificate is not attached.

6. If the essential qualification is not possessed by the candidate.

If application is not complete in any respect as per there requirement given in the advertisement.

9. Closing Date: The closing date of receipt of applications will be 21st Day from the week ending date of publication of the advertisement in the Employment News/Rozgar Samachar.

10. Method of Selection: qualifying nature may also be conducted candidate passing in this preliminary exam will be permitted

coloumn of the proforma.

Selection process will consists of two phase of examination - PHASE-I written test of 100 marks and PHASE-II Trade Test (Practical). All eligible candidates will be called for Phase-I written examination in which an objective type multiple choice answer will be given. On the basis of merit in written test Phase-I examination marks, candidates to the extent of 1.25

for Phase-I exam but without any weightage and marks obtained by him in prelim or Phase '0' exam.

times the number of vacancies shall be called for the trade test. SCHEME & SYLLABUS FOR DIRECT RECRUITMENT

TO THE POST OF LABOUR IN ORDNANCE FACTORIES **SCHEME** 1. WRITTEN TEST:

SUBJECT Maximum Number of Duration Marks Questions Numerical Aptitude (10th Standard) (Objective Type) 02 Hours 40 40 General Science (10th Standard) (Objective Type) 30 30 General Awareness (10th Standard) (Objective Type) 30 30 **Total Marks** 100 2. TRADE TEST: As per trade test specifications, an unskilled workman will be mainly engaged on handling/shifting

of material. He will also be required to clean machines, floors of shop/areas around machines and other similar places, if and as necessary. The trade test may be designed accordingly to test the aptitude of the candidate. However, this test will be of qualifying nature only.

Final grading will be decided based only on marks obtained written test subject to qualifying in the prescribed trade test. SYLLABUS FOR WRITTEN TEST:

Numerical Aptitude: 1. Number Systems

2. Fractions, Decimals and Percentages Ratio and proportion

Averages

5. Interest, Profit & Loss, Discount 6. Time & Distance, Time of work

General Science: The questions on science may be set keeping in view the standard appropriate to High School. Questions may include subjects and activities which are more relevant to day-to-day existence/activities of human life.

General Awareness: 1. Current events-National & International

2. History & Culture General polity and Indian Constitution

vii)

4. General Geography

The question paper for the written examination shall be set in Hindi, English. 10. **GENERAL INSTRUCTIONS**:

ble to Central Govt. Employees from time to time. TA will be paid to the SC/ST/PHP candidates as per the rules.

Mere submission of application form does not guarantee issue of Admit Card. Canvassing in any form will disqualify the candidature. v) Ordnance Factory, Kanpur will not be responsible for any postal delay. vi)

The crucial date for determining the Age Limit shall be the last date of receipt of application.

The above posts carry pay scales as shown against each plus usual allowance as admissi-

New entrants to the Government service will be governed by New Pension Scheme termed as "Defined Contributory Pension Scheme".

The candidate is liable to be transferred to any of the Ordnance Factories in India, in case of exigency of services.

Only selected candidates would be communicated of their selection in due course after the selection process. The services of the candidates furnishing any fake/false Certificates are liable to be termi-

nated at any stage after appointment. Apart from this, suitable action will also be initiated as per the Law of the Land. Hence, candidates 'are advised not to submit dubious certificates. Eligible/Non eligible candidates can see their status by entering Mobile No. & Date of birth on

website i.e. http://www.ofkanpur.gov.in Note:- Admit card will be issued on website only to eligible candidates for written examination /

physical test. 11. General Note: Candidates appearing for Written Test/Trade Test will travel on their own expenses.

However, SC/ST candidates shall be reimbursed Bus fare/Second Class Railway fare as

admissible under rules, on production of Bus/Train ticket.

The candidature of candidate shall be cancelled if he has applied more than one application Name of the post must be clearly superscribed / written on the top of the envelope in capital letters.

Submission of false/incorrect/incomplete information and/or dubious/ bogus document shall disqualify the candidate.

Copies of all the documents i.e. Date of Birth certificate, Educational Qualification and certificates, mark sheets, Caste certificate, Ex-Serviceman certificate duly attested by a Gazetted Officer should be enclosed with the application. No documents should be enclosed

in original except "No Objection Certificate". Candidate should enclose copy of 'School Leaving Certificate/Transfer Certificate' as proof of

ED/PENDING against them and that they have no objection in releasing them in case of For departmental candidates relevant rules shall apply.

Person working in Government servant must apply through proper channel alongwith the certificate from their Establishment that **NO DISCIPLINARY ACTION IS CONTEMPLAT-**

Mere submission of application form does not guarantee for issue of 'Admit Card' for Written Test.

Only selected candidates will be informed for their selection in due course after the selection

PENSION SCHEME" is Compulsory for all Central Govt. Emloyees who are appointed on or

process and no other correspondence on the subject would be entertained. Canvassing in any form will disqualify the candidate. No GPF and DCRG Scheme is Admissible to the post under Central Govt. for those appointed on or after 01-01-2004. The New Pension Scheme i.e. "DEFINED CONTRIBUTORY

The services after appointment are liable to be transferred to any other Ordnance Factories in India, subject to exigencies.

The advertisement is subject to orders, if any, by Hon'ble Courts/Ministry of Defence/Ordnance Factory Board etc. 12. DEFINITIONS OF DISABILITIES: 1. Hearing Impairment: "Hearing Impairment" means loss of sixty decibels or more in the better

ear in the conversational range of frequencies. 2. Locomotor disability: "Locomotor Disability" means disability of the bones, joints or muscles leading to substantial restriction of movement of the limbs or any form of cerebral palsy.

abnormal motor control posture resulting from brain insult or injuries occurring in the prenatal, perinatal or infant period of development. 4. All the cases of orthopedically handicapped persons would be covered under the category of "locomotor disability or cerebral palsy"

Only such persons would be eligible for reservation in services/posts who suffer from not less than

"Cerebral Palsy" means a group of non-progressive conditions of a person characterized by

40 percent of relevant disability. A person who wants to avail of benefit of reservation would have to submit a Disability Certificate issued by competent authority. The Categories of disabled for the said job (on functional classification) are:-

BL - Both legs affected but not arms, OL - One Leg affected (R or L)

D - Deaf, PD - Partically Deaf Hearing Handicapped: 6. COMPETENT AUTHORITY TO ISSUE DISABILITY CERTIFICATE:

The competent authority to issue a Disability Certificate shall be a Medical Board duly constituted by the Central or a State Government. The Central/State Government may constitute Medica

Orthopaedically Handicapped: OA - One Arm affected (R or L),

Board(s) consisting of at least three members out of which at least one shall be a specialist in the particular field for assessing loco-motor/celebral/hearing disability, as the case may be.

of such permanent disabilities where there are no chances of variation in the degree of disability. The Medical Board shall indicate of period of validity of the certificate, in cases where there are chances of variation in the degree of disability. 8. At the time of initial appointment and promotion against a vacancy reserved for persons with

disability, the appointing authority shall ensure that the candidate is eligible to get the benefit of reservation. 13. Language for Written Test/Trade Test: Hindi or English, as per choice indicated by the candidate in application form.

7. The Medical Board shall, after due examination, give a permanent disability certificate in cases

14. Applications should be submitted to The General Manager, Ordnance Factory, Kanpur (UP)

5. DEGREE OF DISABILITY FOR RESERVATION:

Pin- 208009 in the prescribed format. 15. CAUTION TO ALL CANDIDATES:

Some unscrupulous elements may approach you with the assurance of procuring appointment for you in the factory through illegal gratification. You must not fall prey to such false assurance or exploitation and must not entertain or encourage such elememnts in any way, it is emphasized and

re-assured that the written test and the selection exercised will be done on the merit only in a

transparent manner. davp 10201/11/2800/1213

Soil & Land Use Survey of India Applications are invited (in the prescribed format) from suitable Indian Citizens for filling up the

post of Jeep Driver (Ordinary Grade), Group "C" at Bangalore Centre of Soil & Land Use Survey of India, 207, Kodigehalli, Vidyaranyapura Post, Bangalore-560097. The details of requirement

S. No.	Name of the post	Number of posts and their location	Pay -Band and Grade Pay	Category	Age	Qualification
1.	Jeep Driver (Ordinary Grade) Group "C"	Two (2 posts)	PB-1 (5200- 20200) GP: Rs.1900/-	UR		Proficiency in Motor Driving Should hold a valid driving lincence for light/heavy motor vehicles. Middle School Standard (8th Class) pass from recognized School or Board and working knowledge of Hindi.

Note 1: Age relaxable for Government servants upto the age of 40 years in the case of general candidates and upto 45 years in the case of candidates belonging to the Scheduled Castes or Scheduled Tribes in accordance with the instructions or orders issued by the Central Government from time to time.

*Note 2: The crucial date for determining the age limit shall be the closing date for receipt of applications from candidates in India.

General Conditions:

- 1. The candidate should apply in the prescribed format given hereunder along with a passport photograph affixed and duly signed by the candidate at the bottom of his photograph.
- 2. The candidate should enclose the attested photo-copies of educational qualification, valid Driving Lincece and experience certificate, if any.
- 3. The application of serving Government employee should be routed through his Head of the Office or Department.
- 4. The selection of the candidate will be on the basis of driving test skills and interview.
- 5. The selected candidate will be on probation for two years from the date of joining the post.
- 6. The service of the selected candidate will be transferable to any Centre of the Soil and Land Use Survey of India located at different places in India.

The candidate should send his/her application in the prescribed Format by post within 30 days from the date of advertisement of vacancy to the Soil Survey Officer, Soil & Land Use Survey of India (Dept of Agri & Coop.) address 207, Kodigehalli, Vidyaranyapura Post, Bangalore-560097 Phone No. 080 23641119, 080 23640761. Prescribed Format

APPLICATION FOR THE POST OF JEEP DRIVER (ORDINARY GRADE)

- 1. Name of applicant
- 2. Father's Name 3. Sex
- Male/female 4. Whether belongs to SC/ST/OBC/Ex-Serviceman
- Marital Status
- Date of Birth
- 7. Nationality
- 8. Educational Qualifications (enclose attested copies of certificates)

or Education at administration (critical and control of the contro							
Name of School	Name of Recognized	Examination	Division	Pecentage of			
	Board/University	Passed	obtained	marks			

- 9. (a) Driving Licence Number
- (b) Issuing Authority (c) Whether the Driving Licence is for Private/Commercial/Heavy/Light vehicles (Enclose copies)
- 10. Experience (Enclose copies)
- 11. Whether serving as a Govt. Employee, give details 12. Complete Postal Address with Pin Code
- 13. Tel. No. /Mobile No.
- 14. Whether registered in the Employment Exchange. If yes, furnish the registration number. 15. Any other information.

Declaration: I hereby declare that the above information are true and correct to the best of my knowledge and belief and nothing material has been concealed therefrom. In case, the same is not found correct by the recruiting authority, my candidature shall stand cancelled. Dated:

Enclosures:

Signature of the Candidate EN 50/94

Photograph

Government of India

Central Water Commission

Hydrological Observation Circle A - 17, Sector-56, Noida 201301 (UP)

Applications are invited from eligible candidates to fill the following vacant post of Work-charged cadre (Group 'C') under Hydrological Observation Circle, Noida in the Pay Band-1 of Rs. 5200-20200/- + Grade Pay Rs. 1900/-(for SI. No.1 & 2 & Rs. 1800/-for SI. No. 3)

S.N.	Name of Post	No. of Post & reservation	Age limit*	Essential Qualification
01	Electrician Grade-II	01 (One) Unreserved	18-30 (05 years age Relaxation for SC/ST & 03 years for OBC Candidates)	(1) Matriculation with ITI in Electrician trade or equivalent from recognized Board / University / Institution (2) One year relevant practical experience.
02	Mechanic Grade-II	02(Two) Unreserved	,	(1) Matriculation with ITI in Mechanic trade (Radio Mechanic & television/Diesel Mechanic (or equivalent from recognized board / University/institution) (2)One year relevant practical experience.
03	Skilled work Asstt.	15 (Fifteen) For ST only		Matriculation or ITI or equivalent from recognized Board / University / Institution

Interested candidates should send their applications as per format given to Superintending Engineer, H.O. Circle, CWC, A-17, Sector-56, Noida-201301 within 30 days from the date of publication of Advertisement in the Employment News along with attested photocopies of relevant documents/Caste Certificate/ experience certificates duly attested and colored photograph pasted on the application. Incomplete and unsigned applications will be rejected. Application may be sent by post only.

- 2. The age and qualification of the candidate will be counted on closing date of receipt of application.
- 3. The candidates will have to make their own arrangement for interview.
- 4. The decision of Selection Committee will be final in all matters. The Selection Committee will not undertake any responsibility for sending a reply to the candidates if not selected
- 5. Applications should be made in English or Hindi containing the information as per Proforma.
- 6. Candidate is liable to be posted within the jurisdiction of Circle.

Superintending Engineer Continued on page 5

Ministry Labour and Employment Central Employment Exchange

Date of Advertisementi- 16.03.2013

Applications are invited for the following post (s) by various employers indicated in the advertisement up to 08.04.2013 in the prescribed format given at the end of the advertisement. In respect of applications sent only by post/speed post from the candidates residing in Assam, Meghalaya, Arunachal Pradesh, Mizoram, Manipur, Nagaland, Tripura, Jammu & Kashmir, Lahaul & Spiti district and Pangi sub division of Chamba district of Himachal Pradesh, A&N Islands or Lakshadweep or abroad the last date of receipt of application by the employer is

Candidates are required to send their application direct to the respective employers.

Application for the Post at SI. No. 1 is to be sent to Director, Homeopathic Pharmacopoeia Laboratory, Kamla Nehru Nagar, Near NTH, Ghaziabad (U.P.)

1. One Scientific Assistant (Microbiology) - UR-1

Rs. 5200-20200/- + Grade Pay: Rs. 2800/-Pay Band-1: 30 years (Relaxable in case of Govt. Servants up to 35 Years) Age:

15.04.2013. Applications received after due date will not be considered.

Essential Qualification: -M.Sc Degree with Microbiology from recognized university or

Institution with one year experience.

Duties: To assist routine Laboratory work & Research work. Place of work: Ghaziabad (U.P)

Application for the Post at SI. No. 2 is to be sent to Dy. Director (Rehab.) i/c Vocational Rehabilitation Centre for Handicapped, Mohalla Bag Mataji Ward No.7 Una (H.P.) 174303 2. One Vocational Instructor (Dress Making) - UR-1

Pay Band 2: Rs. 9300-34800/-+Grade Pay: Rs 4200/-

Age: 30 years.

Essential Qualification: Matriculation or its equivalent. National Trade Certificate in the appropriate trade or National Apprenticeship Certificate in the appropriate trade or any other recognized equivalent qualification in the appropriate trade with atleast 3 years practical experience (preference will be given to candidates trained Advance/Central Training Institute for Instructor in the appropriate trade)

Duties: Evaluation and training of persons with disability. Proper maintenance and up keep of machinery, Tools & Equipment and raw materials etc., Developing adequate evaluation models and assign the functional suitability of the PWDs on the basis of stimulated work conditions etc. Place of work: Una (H.P)

CORRIGENDUM

Reference SI. No. 5 of Central Employment Exchange's advertisement No. 15/2012 published in Employment News dated 08.12.2012 for the post of Assistant Light Keeper (Sr. Scale) Name of Post and Essential Qualification to be read as

- 1. Name of Post: Navigational Assistant Grade II
- 2. Essential Qualification: Diploma in Electronics or Telecommunication or Electronics and Communication or Electrical and Electronics from an institution recognized by Central Government or State Government.
- (ii) One year's practical experience in the field of wireless communication (including installation and maintenance of wireless transmitters and receivers) or Aids to Navigation (including visual and Radio Aids to Navigation) automatic relay systems or diesel generator sets.
- 3. Last date of submission of application is extended upto: 22/04/2013

Reference SI. No. 8 of Central Employment Exchange's advertisement No. 16/2012 published in Employment News dated 29.12.2012 for the post of Navigational Assistant Grade II Essential Qualification to be read as Essential Qualification: Diploma in Electronics or Communication or Electronics and

Communication or Electrical and Electronics from an institution recognized by Central Government or State Government. (ii) One year's practical experience in the field of wireless communication (including installation

and maintenance of wireless transmitters and receivers) or Aids to Navigation (including visual and Radio Aids to Navigation) automatic relay systems or diesel generator sets

2. Last date of submission of application is extended upto: 22/04/2013

Reference SI. No. 1 of Central Employment Exchange's advertisement No. 11/2011 published in Employment News dated 11.06.2011 for the post of Skilled Worker to be treat-

INSTRUCTION AND ADDITIONAL INFORMATION FOR CANDIDATES

- 1. Separate applications are required for each post quoting advertisement no. and SI. no. of the post.
- 2. Self-attested photocopies of educational/reservation categories/experience certificates etc., if any, should be enclosed with the application. 3. Upper age limit relaxable for SC/ST/OBC, EX-SERVICEMEN, Physically Handicapped,
- Widow, Divorce Women and Women judicially separated from their husband and Govt. servants etc. as per rules.
- 4. Only those SC/ST candidates who are not employed anywhere will be paid TA for attending interview, if admissible under rules
- 5. Application in any case should not be sent to Central Employment Exchange/Local Exchange.

ABBREVIATIONS USED UR: UN-RESERVED FORMAT OF APPLICATION FORM

- 1. Advertisement No.
- 2. Serial number of the post:
- 3. Post applied for:
- 4. Name of Employment Exchange where registered, if any
- 5. Employment Exchange Registration No. if any
- 6. Name of the applicant (Mr./Miss/Mrs.):
- In block letters

7. Date of Birth.	Date	WOUTH	rear
8. Father's Name:			
9 Address (in full).			

- 10. Nationality: 11. Category to which belong (SC/ST/OBC) (ATTACH PHOTOCOPY OF CERTIFICATE)
- 12. Whether Ex-Serviceman (Yea/No):
- 13. Whether Physically Handicapped (Yes/No):
- 14. Academic/technical professional qualifications (Beginning with matriculation level) attach photocopies of certificates

Name of Exam.	Year of passing	Univ/Board	Div/Class/ Grade	Subjects	% of marks

15. Experience (attach photocopies of certificates in support of experience):

1 -	Name of employer/Org.	Period From-To	Designation	Pay Scale/ Pay	Nature of duties	Reasons for leaving

I solemnly declare that the statement made by me in this form are correct to the best of my knowledge and belied.

Dated: Place:

List of enclosures: 1. 2.

(Signature of the candidate)

davp 23105/11/0008/12/13

No. A. 12025/1/2008-Estt-I/Estt.III **Government of India**

Ministry of Health & Family Welfare

(Establishment III Section)

Nirman Bhawan, New Delhi

One post of Assistant Director General (Nursing) a Group 'A' Gazetted, Non- Ministerial, in the pay scale of Rs.12000-375-16500(Pre-revised)/Pay Band-3 with Grade pay of Rs.7600/-(Revised) in the Ministry of Health & Family Welfare. The post is to be filled up on Deputation (including shortterm contract) from the following:-

Officers under the Central/State Governments/Union Territories/Autonomous Organizations:-(a) (i) Holding analogous post on regular basis in the parent cadre/department; or

- (ii) With 5 years service in the grade rendered after appointment thereto on a regular basis in the scale of pay of Rs.10000-15200(Revised PB-3, GP-6600) or equivalent in the parent cadre/depart-
- (iii) With 10 years service in the grade rendered after appointment thereto on a regular basis in the scale of pay of Rs.8000-13500 (Revised PB-3, GP-5400) or equivalent in the parent cadre/department; and
- (b) Possessing the following educational qualification & experience:-
- (i) Master's Degree in Nursing from a recognized University/Institution or equivalent; and (ii) Must be a Registered Nurse and Registered Midwife or equivalent with any State Nursing
- Council: (iii) 10 years' experience in Nursing/ Teaching including Community Health services. [Period of deputation/contract including period of deputation/contract in another ex-cadre post held
- immediately preceding this appointment in the same or some other organization/ department of the Central Government shall ordinarily not exceed 4 years. The maximum age limit for appointment by deputation (including short term contract) shall be not exceeding 56 years as on the closing date of receipt of applications]. 2. The officers selected for appointment on deputation basis shall be entitled to draw pay/deputa-
- tion (duty) allowance in accordance with the existing instruction on the subject issued by the Government of India from time to time. 3. The eligible and interested officers may send their application in the given proforma (Annexure-I) through proper channel so as to reach the undersigned within 60 days from the date of publi-
- cation of this Advt. in the Employment News. While forwarding the application, it may please be ensured that the particulars of the candidate are verified and that he/she fulfills the eligibility conditions. The application should be forwarded along with upto date ACR dossier (or photocopies duly attested by Class-I officer), Vigilance & Integrity Certificate and statement that no minor/major penalty has been imposed upon the applicant during the last ten years. Applications received without any of these documents or not in prescribed format shall not be considered.
- 4. The duties of Assistant Director General (Nursing) in the Ministry of Health & Family Welfare are as per Annexure-II. (Anil Kumar)

Under Secretary to Govt. of India Tel. No. 011-23061323 ANNEXURE-I

CURRICULUM VITAE PROFORMA

- 1. Name and Address (in Block letters):
- 2. Date of Birth (In Christian era):
- 3. Date of retirement under Central/State Government Rules. :
- 4. Educational Qualifications:
- 5. Whether Educational and other qualifications required for the post are satisfied. (If any qualification has been treated as equivalent to the one prescribed in the rules state the authority for the same).: Qualifications/

Experience required Essential (1)(2)(3)

Qualifications/Experience possessed by the Officer

Desired

- 6. Please state clearly whether in the light of entries made by you above you meet the requirement of the post
- 7. Details of Employment in chronological order (Enclose a separate sheet duly authenticated by your signature if the space below is insufficient.

Office/Institution	Post Held	From	То	Scale of Pay and basic	Nature of duties (in detail)

- 8. Nature of present employment i.e. Ad-hoc or Temporary or Quasi-Permanent.:
- 9. In case the present employment is held on deputation/contract basis please state:-(a) The date of initial appointment
- (b) Period of appointment on deputation/contract
- (c) Name of the parent Office/Organization to which you belong. 10. Additional details about present employment;-
- Please state whether working under (indicate the name of your employer against the relevant
- column.) (a) Central Government
- (b) State Government
- (c) Autonomous Organization
- (d) Government Undertaking
- (e) Universities
- (f) Others
- 11. Please state whether you are working in the same Department and are in the feeder grade or
- 12. Are you in Revised Scale of pay? If yes, give the date from which the revision took place and
- also indicate the pre-revised scale. 13. Total emoluments per month now drawn
- 14. Additional information, If any, which you would like to mention in support of your suitability for the post. (This among other things may provide information with regard to (i) Additional academic qualifications (ii) professional training and (iii) Work experience over and above prescribed in the Vacancy Circular/Advertisement) (Note: Enclose a separate sheet, if the space is insufficient)
- 15. Please state whether you are applying for deputation (ISTC)/Absorption /Re-employment Basis. (Officers under Central/State Government are only eligible for "Absorption". Candidates of non-Government Organization are eligible only for Short Term Contract.)
- 16. Whether belongs to SC/ST:

ANNEXURE-II DUTIES ATTACHED TO THE POST OF ASSISTANT DIRECTOR GENERAL (NURSING)

- All issues concerning to Nursing Services of Central Government institutions i.e. RMLH, SJH, HMC (SK' & KS), CLTRI, JIPMER (Pondicherry), CIP (Ranchi), AIIMS & PGI (Chandigart 2. Recruitment Rules of all nursing personnel in all Central Government institutions.
- 3. Filling up and creation of Nursing Services position in Central Government institutions (Chief
- Nursing Officer and Nursing Superintendent and Deputy Nursing Superintendent). 4. Nursing Management Information System including Central Government institutions.
- 5. Delhi Nurses Colony.
- 6. Training needs assessment of nursing service personnel.
- 7. Continuing education Programme for the nursing service personnel (training of nurse in spe-
- cialty area). 8. Follow-up of High Power Committee recommendations with State Government and Government
- of India.
- 9. International Assistance.
- 10. World Health Organization Project. 11. Collaboration with Indian Nursing Council.
- 12. Any other activity assigned by the competent authority.
- 13. Nursing Practice and Nursing standard.
- 17. Remarks (The candidate may indicate information with regard to (i) Research publication and reports and special projects (ii) Awards/Scholarship/Official Appreciation (iii) Affiliation with the professional bodies/institutions/societies and (iv) any other information.(Note: Enclose a separate sheet, if the space is insufficient).



Tata Memorial Centre Tata Memorial Hospital

Parel, Mumbai 400 012

Office of The Director (Academics) Courses Recognized by Govt. of Maharashtra under Maharashtra State Board

	of Technical Education - MSBTE						
Course Name	<u>Advance Diploma In</u> Medical Imaging Technology	Advance Diploma In Radiotherapy Technology					
Course Details	Two Years "Advance Diploma in Medical Imaging Technology" recognized by Govt. of Maharashtra will be conducted at this Hospital commencing from July 2013 for the Academic year 2013. This is a comprehensive course with full-time schedule of lectures, demonstrations, practical and clinical experience in the delivery of imaging Technology. The course is designed to develop personnel to use modern Radiology equipments like X-ray, CT scan, MRI Sonography, mammography, & Cathlab Machines in hospital.	Two Years "Advance Diploma in Radiotherapy Technology" recognized by Govt. of Maharashtra will be conducted at this Hospital commencing from July 2013 for Academic year 2013. This is a comprehensive course with full time schedule of lectures, demonstrations, practical and clinical experience in the delivery of Radiation therapy. The course is designed to develop personnel to use modern Radiotherapy equipments like Cobalt Units, Linear Accelerators, simulators, Brachytherapy systems and Mouldroom facilities in cencer treatment.					
Eligibility Criteria	Passed any B.Sc or B.Pharm.	Passed B.Sc. with 50% Marks aggregate (not less than 55% marks in Physics).					
B.Sc Result awaiting candidates can also apply. They will be considered subject to fulfillment of the above eligibility criteria on the day of Interview.							

Having mere basic qualifying marks will not fulfill the right for admission to this course.

for OBC candidates.

evaluation of performance in the

Selection Criteria | Selection will be based on the

interview.

AGE LIMIT

DURATION 2 Years+(01 year In-Service Bond Mandatory)

: A Stipend @Rs. 6000/-p.m. will be paid during the training. NON-SPONSORED Candidate will be required to execute a Bond to serve the Tata Memorial Hospital for a period of 1 year on remuneration @ Rs.

13000/- p.m. after successful completion of the training. Annual College tuition fee will be charged Rs.14, 000/- per year.

: Between 20 and 25 years. Relaxable by 5 years for SC / ST and 3 years

Selection will be based on the evaluation

which comprises of performance in the

interview and the marks obtained in

entrance examination

SPONSORED : National candidate sponsored from Cancer Centres / Hospitals for training will not be paid any stipend or will not need to honour a bond. Training fee of Rs.14, 000/- will be charged per year. The candidate has to pay examination fees to Maharashtra State Board of Technical Education

(MSBTE) every year, as applicable. Selected candidates from outside Mumbai may be provided with hostel accommodation, only if they are available during training period on payment as applicable. The same candidates will be allowed to avail cafeteria facility, the charges of which will be paid by the candidates as applicable. In addition the candidates are requested to keep Rs. 3000/- as diet deposit and Rs. 1000/- as library deposit, as per rules of the Centre

Candidates who are found to consistently perform below established standards will be terminated from the program after due process.

Eligible candidates may send their application in the proforma given along with a recent passport size photograph affixed on the right hand top corner with attested copies of education qualifications, age and also, a non refundable Demand Draft of Rs. 100/- (Rs. 25/- for SC / ST candidates) in favour of Tata Memorial Centre, Parel, Mumbai on or before 30th April 2013 to Office of the Director (Academics), 13th Floor, Homi Bhabha Block, Tata Memorial Hospital, Parel, Mumbai 400 012.

During the period of training, the Trainee shall not apply for any post or any other courses / P.G. studies / Scholarship or appear for any examination or interview outside or if applied before start of the training, the candidate has to give proper information to

this institution. Late & Incomplete application forms will be rejected. DOWNLOAD APPLICATION FORMAT http://tmc.gov.in/

EN 50/11

Paste passport

Size photo-

graph duly

attested by

Gazetted

Officer

Continued from page 4

FORMAT OF APPLICATION

- 1. Post Applied for
- 2. Name of the applicant as per Matriculation Certificate/ School Leaving Certificate (in Capital letters)--
- 3. Father's Name/Husband Name--4. Date of Birth-5. Age-
- 6. Marital status-7. Nationality-8. Whether belong to SC/ST/OBC/PH/Ex-Serviceman-
- (Attach attested photocopy of Caste Certificate) 9. Present postal address for correspondence --
- 10. Telephone / Mobile No. 11. Educational Qualification
- (Attached attested Certificate)
- 12. Experience of the trade applied for -13. Details of attested copies of certificate attached
- 14. Remarks-

Selection Committee at the time of selection for the post.

I hereby certify that the above information is true to the best of my knowledge and if the authorities find anything false, my candidature is liable to be cancelled at any stage of recruitment/service.

	Signature of applicant
ate	EN 50/47

Curriculam Vita duly supported by documents submitted by me will also be assessed by the

(Employer with Seal)

I have carefully gone through the vacancy circular/advertisement and I am well aware that the

Date	Signature of the Candidate Address:
	E-mail Contact No
	Countersigned

davp 17101/11/0040/1213

www.employmentnews.gov.in Employment News 16-22 March 2013

Government of India

Department of Atomic Energy

Variable Energy Cyclotron Centre 1/AF, Bidhan Nagar, Kolkata - 700 064 Advertisement No.VECC-1/2013

Last date of receipt of application: 15.04.2013 Applications are invited for recruitment as Stipendiary Trainees (Category I & Category II) in Variable Energy Cyclotron Centre, Kolkata.

Category – I: Total No. Posts: 14

Post No.	Discipline	No. of posts	Educational Qualification
1.	Physics	9 (UR-3, UR-1 (VH*), SC - 3, ST - 1 & OBC - 1)	(A) B.Sc. with minimum 60% marks with following combination of subjects:- Physics as principal subject and among other two subsidiary subjects Mathematics is compulsory and any one from the following subjects:- Chemistry, Statistics, Electronics & Computer Science. [e.g.(a) Physics (Principal), Mathematics & Chemistry or (b) Physics (Principal), Mathematics & Computer Science or (c) Physics (Principal), Mathematics & Electronics or (d) Physics (Principal), Mathematics & Statistics.] OR (B) Candidates with minimum 60% marks in B.Sc. with Physics/ Chemistry / Mathematics/ Statistics/Electronics/Computer Science as subjects with equal weightage will also be considered. The combination of subjects in B.Sc. should be as under:
			(a) Physics, Mathematics & Chemistry or (b) Physics, Mathematics & Computer Science or (c) Physics, Mathematics & Electronics or (d) Physics, Mathematics & Statistics.
2.	Mechanical	1(OBC)	Minimum 60% marks in Diploma in Mechanical Engineering (3 years after SSC or 2 years after Higher Secondary.)
3.	Electronics/ Instrumentation	2 (UR – 1 & UR –1(HH**))	Minimum 60% marks in Diploma in Electronics/ Instrumentation Engineering (3 years after SSC or 2 years after Higher Secondary.)
4.	Computer	1(OBC)	Minimum 60% marks in Diploma in Computer Engineering (3 years after SSC or 2 years after Higher Secondary.)
5.	Civil	1(UR)	Minimum 60% marks in Diploma in Civil Engineering (3 years after SSC or 2 years after Higher Secondary.)

Reserved for Visually Handicapped (VH).

^{**} Reserved for Hearing Handicapped (HH). Hearing Handicapped means loss of 60 decibels or more in the better ear in the conversational range of frequencies.

	Category – II: Total No. Posts: 44					
Post No.	Discipline	No. of posts	Educational Qualification			
1.	Plant Operator	5 (UR- 1#, OBC-2 SC-1 & ST - 1) #Specifically for Crane/Forklift operation	Higher Secondary (10+2) in Science stream with a minimum 60% marks in aggregate and should have Physics, Chemistry & Mathematics subjects.			
2.	Library	1 (OBC)	Higher Secondary (10+2) in Science stream with a minimum 60% marks in aggregate and should have Physics, Chemistry and Mathematics subjects (certificate course in Library Science and experience in Library will be preferred at the discretion of this Centre).			
3.	Engineering Draughting	OBC -1(OH*#)				
4.	Fitter	10 (UR- 6, OBC – 1 & SC – 3)				
5.	Electronics	15 (UR-2, UR-1(OH*#) OBC – 4, SC – 5 & ST – 3)	SSC with a minimum 60 % marks in aggregate plus trade certificate of minimum 1 year duration in relevant trade from a recognized Institution.			
6.	Electrical	3(UR)				
7.	Turner	2 (UR- 1 & OBC-1)				
8.	Air Conditioning	3(UR)				
9.	Machinist	3 (UR-2 & OBC-1)				
10.	Mechanic (Motor Vehicle)	1(UR)				

*# Reserved for Orthopedically Handicapped (OH). Physical deformity should not be less than 40%

"UR" – Unreserved, "OBC" – Other Backward Classes, "SC"- Scheduled Castes, "ST" – Scheduled Tribes, "VH"-Visually Handicapped, "HH"- Hearing Handicapped & "OH"-Orthopedically Handicapped, "DAE"- Department of Atomic Energy, "VECC"- Variable Energy Cyclotron Centre.

1. Age Limit as on 15.04.2013:

- (i) For Category I Stipendiary Trainees: Minimum age will be 19 years and maximum age will be 24 years.
- (ii) For Category II Stipendiary Trainees: Minimum age will be 18 years and maximum age will be 22 years.

2. Relaxation in upper age limit:

- (i) The upper age limit prescribed above is relaxable for the posts reserved for SC/ST & OBC as under:
- Upto a maximum of three years if a candidate belongs to OBC category. Upto a maximum of five years if a candidate belongs to SC/ST category.

(ii) For Persons with Disabilities:

- (a) Upper age-limit shall be relaxable by ten years (15 years for SCs/STs and 13 years for OBCs). (b) Relaxation in age-limit shall be applicable irrespective of the fact whether the post is reserved or not, provided the post is identified suitable for persons with disabilities.
- (iii) Relaxation in the upper age limit of 5 years shall be admissible to all persons who had ordinarily been domiciled in Kashmir division of the State of Jammu & Kashmir during the period from the 1st day of January, 1980 to 31st day of December, 1989 provided that the relaxation in the upper age limit for appearing at any examination shall be subject to the maximum number of chances permissible under the relevant rules.

Any person intending to avail of relaxation of age limit admissible under the above provision shall

submit a certificate from:

- (a) the Dist. Magistrate in the Kashmir division within those jurisdiction he had ordinarily resided;
- (b) any other authority designated in this behalf by the Government of Jammu & Kashmir to the effect that he had ordinarily been domiciled in the Kashmir division of the State of Jammu & Kashmir during the period from the 1st day of January, 1980 to 31st day of December, 1989. (iv) Relaxation in the upper age limit of 5 years shall be admissible to children/family members of

those who died in the 1984 riots. Physical Standards: Minimum Height: 160 cms. Minimum weight: 45.5 Kgs. (Relaxable if the

candidate is otherwise medically fit) Total Duration of Training Period : Category I Two Years

Category II Two Years Stipend During Training:

Category I : (i) ₹ 9,300/- p.m. for 1st year. (ii) Yet to be finalized for 2nd year.

Category II (i) ₹ 6,200/- p.m. for 1st year (ii) ₹ 7,200/- p.m. for 2nd year

In addition to above, both Category I & II trainees will be given a one time Book Allowance of

Accommodation: The Trainees will have to make their own arrangement for stay during the training. However, in exceptional cases, hostel/sharing accommodation will be provided by this Centre subject to availability.

Written Examination & Personal Interview:

Written Examination of one-hour duration will be conducted and will comprise of objective type questions. Option will be given in written examination to answer either in English or Hindi. The syllabus for the said examination will be based on subjects of Diploma/B.Sc. level for Category-I and of SSC/HSC/ITI level as the case may be for Category-II. The candidates who qualify in the Written Examination shall be shortlisted for Personal Interview and the names of the shortlisted candidates will be displayed in the website of this Centre at a later date. Personal interview will be held in this Centre at a later date, call letters for which will be sent separately.

Candidates should come prepared to stay in Kolkata overnight for the Written Examination/Personal Interview. Final selection and ranking will be on the basis of performance of the candidate in the personal interview and no weightage will be given for marks scored in the written examination. The deci-

sion of this Centre in this regard is final. Scope of Training: Selected candidates will be given training in this Centre and other places as decided by this Centre in various aspects of relevant trades, as per prescribed syllabi of each trade and for meeting the stringent requirements of this Centre. The candidate will not have choice/option for any particular training programme/training place.

During the period of training and thereafter, candidates may be required to work in round-the clock shift including night shift. Grade After Successful Completion of Training:

Upon successful completion of training, the Cat.I trainees will be considered for absorption in the post of Scientific Assistant/C and Cat.II trainees will be considered for absorption in the post of Technician/B or Technician/C depending on their performance during the period of training and personal interview to be held at the end of the training. Based on the performance during training & personal interview, additional increments may be given on appointment.

Details of Emoluments:

Trainees	Post	Corresponding Pay Bands	Corresponding Grade Pay	Corresponding Initial Pay in the Pay Band	Total Emoluments (approx)
Category-I	Scientific Assistant/ C		₹ 4,600/-	₹ 12,540/-	₹ 37,375/-
Category-II	Technician/ B	₹ 5200- 20200/-	₹ 2,000/-	₹ 6,460/-	₹ 18,121/-
	Technician/ C	₹ 5200- ₹ 20200/-	₹ 2,400/-	₹ 7,510/-	₹ 22,770/-

Bond: Selected candidates will have to execute a bond to complete the training and serve VECC, Kolkata or any of the constituent Units of DAE, if offered appointment after the training, for a period of 4 years after absorption. A trainee who fails to complete the training or serve VECC, Kolkata/ Department of Atomic Energy for 4 years, if offered appointment, will be liable to pay to VECC, Kolkata/ Department of Atomic Energy a sum equivalent to entire aggregate amount of stipend received by him during the training along with interest thereon.

How to apply:

- 1. Application should be submitted in the proforma given herewith.
- 2. Application should preferably be type written on A4 size paper.
- 3. The Application and the outer cover should be superscribed as "Application for the post of Category I/Category II against Advertisement No.VECC-1/2013".
- 4. Only one application should be submitted for one post. If candidate wishes to apply for more than one post, separate application should be submitted for each post.

COPIES OF CERTIFICATES:

Candidates should submit along with their application attested SINGLE COPY of :

- a) Certificates pertaining to Educational qualifications/experience and technical/professional qualifications (supported by appropriate mark sheets indicating the subjects offered at the examinations).
- b) Certificate of date of birth.
- c) SC/ST/OBC certificates in the prescribed proforma applicable for Central Government employment. OBC certificate should be issued by authorized authority in the prescribed format with noncreamy layer certificate and the caste/community should have been included in the Central lists of Other Backward Caste. The crucial date for determining the OBC non-creamy layer certificate will be the last date of receipt of the application (i.e.15.04.2013). OBC for the purpose of AGE RELAXATION AND RESERVATION will mean "persons of OBC categories not belonging to the Creamy Layer" as defined in Government of India, Department of Personnel & Training OM No.36012/22/93-Estt.(SCT) dated 08.09.93 and duly modified vide Government of India,
- Department of Personnel & Training OM No.36033/3/2004-Estt.(Res) dated 09.03.2004. d) Disability Certificate from the appropriate authority regarding physical disability (applicable to
- persons with disability) e) Certificate regarding domiciled in Kashmir Division from 01.01.1980 to 31.12.1989 (if claimed
- relaxation). f) Certificate to the effect that they have been affected by 1984 riots (if claimed relaxation).
- IMPORTANT REQUIREMENT OF PH CERTIFICATE i) According to the Persons With Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Rules, 1996 notified on 31/12/1996 by the Central Government in exercise of the powers conferred by sub-section (1) and (2) of Section 73 of the Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995 (1 of 1996), a disability certificate shall be issued by a Medical Board duly constituted by the Central or a State Government. The Central/State Government may constitute a Medical Board consisting of at least three mem-
- bers, out of which, at least, one member shall be a Specialist from the relevant field. ii) The certificate would be valid for a period of 5 years for those whose disability is temporary. The Medical Board shall indicate the period of validity of the certificate where there are chances of variation in the degree of disability. For those who acquired permanent disability, the validity can be shown as Permanent. On representation by the applicant, the Medical Board may review its decision having regard to all the facts and circumstances of the case and pass such orders in the matter as it thinks fit.
- iii) Those SC/ST/OBC persons with disabilities selected on their own merit without relaxed standards alongwith other candidates, will be considered against unreserved vacancies provided the post is identified for persons with disability of relevant category.

NOTE: a) Candidates should enclose one extra copy of recent passport size photograph alongwith the application.

b) SC/ST candidates called for Written Examination will be paid Travelling Allowance as per rules. However, Travelling Allowance is not admissible to those SC/ST candidates who are already in Central/State Government, Central/State Government Corporation, Public Sector Undertakings,

Continued on page 7

passport size

photograph

duly signed by

the candidate

across the

photograph

Day(s)

are liable to serve in any part of India and in any constituent unit of the Department of Atomic

Energy, or in any other establishment as desired by the Government of India. e) The vacancies shown above are provisional and subject to variation. The filling up of vacancies

indicated in the advertisement is also subject to the approval of Competent Authority and may not be filled up, if decided otherwise in terms of the orders issued by Government from time to time. f) The nature of duties to be performed by the above categories of trainees will involve working in round-the-clock shift duties, in operational plants and areas. g) This advertisement is available on VECC, Kolkata Website at www.vecc.gov.in. h) Persons who are appointed against the above posts, will be covered under the New Contributory Pension

Scheme as notified by the Government of India, Ministry of Finance, Department of Expenditure vide Notification No. F.No.5/7/2003-ECB & PR dated 22.12.2003. i) Persons working under the Central/State Govt./Public Sector Undertakings should submit their applications through proper channel. They may, however, send an advance copy of the applica-

tion along with enclosures as detailed above to the address given below. i) Complete applications should be sent to the Assistant Personnel Officer (GA), Variable Energy Cyclotron Centre, Department of Atomic Energy, Sector – 1, Block – AF, Bidhan Nagar, Kolkata - 700 064 so as to reach him on or before 15.04.2013.

WARNING:

prescribed format or are not accompanied by the attested copies of certificates, photograph, will be rejected. Mere fulfilling of requirements as laid down in the advertisement does not qualify a candidate for written test/interview. In case the response is more, the screening will be restricted to those with higher percentage of marks, as decided by the Competent Authority in this Centre. No correspondence will be entertained in this regard.

Applications which are not in conformity with the requirements indicated and which are not in the

Note: Record of the non-selected candidates shall not be preserved beyond 6 months from the date of formation of select list.

CANVASSING IN ANY FORM SHALL BE A DISQUALIFICATION PROFORMA FOR APPLICATION Paste recent

D D

M M

Month(s) _

FOR OFFICE USE ONLY: Application No.

Date of Receipt 1. Advertisement No.: VECC-1/2013

2. (i) Category No. (ii) Post No.:

3. Name in full (as per SSC certificate): (in CAPITAL LETTERS)

4. Gender: 5. Father's name:

6. a) Date of birth (in Christian era):

b) Age as on 15.04.2013: ___

7. Religion: 8. Nationality

9. Marital Status:

House No./Name:

Course Name

E-mail:

10. Whether the applicant belongs to SC/ST/OBC?:

11. Whether the applicant domiciled in Jammu & Kashmir during the period from 01.01.1980 to 31.12.1989?:

12. Whether the applicant is a family member of those who died in 1984 riots?:

__ Year(s) _

13. Whether the applicant belongs to minority community?14. (a) Address for correspondence in CAPITAL LETTERS:

House No./Name: Locality/Street:

Town/Village: Police Station: Post Office: District:

Locality/Street:

Pin Code: State: Telephone/Mobile No.: E-mail: (b) Permanent Address in CAPITAL LETTERS:

Town/Village: Police Station: Post Office: District: Pin Code: State: Telephone/Mobile No.:

University/

15. Whether Physically Handicapped?: (Please mention 'YES' or 'No') If yes, please mention

a) Type of Physical Disability:

b) Nature of Disability: c) Percentage of Disability:

(as certified by the Competent Medical Authority in the PH Certificate) 16. a) Educational and Professional/Technical qualifications from SSC onwards :-

Subjects Duration University/Board/ Year % of marks Name of Class/ Examination Institution of course secured Grade/

passed **Division**

Full Time/ Board/ Part Time of the Semester/ Marks Institution subjects Course obtained completed

16.b) Indicate the course of study, if any, the applicant is continuing presently

Permanent Reasons Name & Post Held Types of **Period of Service Employer** in DD/MM/YYYY Address of

17. Experience (particulars of all previous and present employment are to be furnished):-

Employer				format		Temp	orary	leaving	
				From	То				
	8.Total experience as on 15.04.2013: Year (s) Month (s) Day (s)								
19. Details of relatives already employed in Department of Atomic Energy or its Constituent units:-									
Name of re	lative	Relations	shin U	nit in which	h employe	4	Po	st held	Т

Duration

No. of

% of

20. Are you under any contractual obligation to serve the Central / State Government / Any other Public Sector Undertaking / Autonomous Bodies? If so, please furnish details:

21. Any other additional information: 22. List of documents attached:

1. Application duly filled-in and signed: YES / NO

2. Passport size photograph duly signed across and affixed on the application: YES /NO 3. One extra copy of recent passport size photograph attached with the application

(compulsory) : YES/NO

4. Attested copies of each of the following certificates are attached: a) Date of Birth Certificate: YES/ NO

b) SC/ST/OBC Certificate (if applicable): YES/ NO c) Certificate of Disability (if applicable): YES/ NO

d) Copies of all marksheets: YES/ NO

e) Certificates of Educational & Professional qualifications: YES/ NO

f) Experience Certificate (if applicable): YES/ NO

g) Domicile certificate of Jammu & Kashmir (if applicable): YES/ NO h) Certificate related to 1984 riots (if applicable): YES/ NO

23. DECLARATION:

I hereby declare that the above information is factually correct to the best of my knowledge.

Date:

I also understand that I will be disqualified if any of the information furnished above is found to be incorrect. Place:

(Signature of the candidate) Name: EN 50/07 Corrigendum

The last date of submission of application form for the following posts has further been extend-

Advertisement No.	Name of the post & Number of Posts	Date of publication in Employment News	Mode of Recruitment	Pay band, Scale of Pay & Grade pay
3-6/2012-Admn	Steno Gr. "C" - One Post	22-28 th December, 2012	Deputation	PB-2, Rs. 9,300- 34,800 + Grade Pay Rs.4,200/-
3-6/2012-Admn	Sr. Clerk- One Post	22-28 th December, 2012	Deputation	PB-1, Rs. 5,200- 20,200+ Grade Pay Rs.2,400/-

For application and other details: Please refer the Employment News dated 22 - 28 December, 2012 or visit our website www.caa.gov.in K. Sriniyasan Babu

Superintendent EN 50/23

: One post.

ANNEXURE -II

Nature of

(Signature of applicant)

Ministry of Home Affairs Directorate of Forensic Science Services

No. DFSS/4/11/2013

Government of India

It is proposed to fill up one post of Senior Scientific Assistant (Neutron Activation Analysis) (Group 'B, Non - Gazetted, Non - Ministerial) in the pay band PB-2 Rs.9,300 -34800/- with Grade Pay Rs.4200/- at the Central Forensic Institute, Pune under Directorate of Forensic Science

Services, Ministry of Home Affairs, on deputation basis 2. The eligibility conditions, experience and job requirements for the post are shown in Annexure--I given. The maximum age limit for appointment by transfer on deputation shall be not exceeding 56 years as on the closing date for receipt of applications.
3. The pay of officers, selected for appointment on deputation, and various other conditions will

be governed in accordance with the orders/ instructions issued in this regard from time to time by the Government of India. 4. The applications in the prescribed proforma in Annexure -II given, in respect of suitable, eligi-

ble and willing officials, who can be relieved immediately, if selected, may please be sent, along with up-to-date ACRs of last five years and as also the certificate endorsed at Annexure - II duly signed by the Competent Authority, at the following address within a period of TWO MONTHS from the date of issue of this Advt. :-

The Director - cum - Chief Forensic Scientist, Directorate of Forensic Science Services, Block No.-9, Floor-8, CGO Complex, Lodhi Road, New Delhi-110 003.

5. The candidates who apply for the post will not be allowed to withdraw their candidature subsequently.

6. Applications received after the last date or without the required documents will not be entertained.

ANNEXURE-I Name of the Post: Senior Scientific Assistant (Neutron Activation Analysis)

2. Scale of Pay: Pay Band PB-2 Rs. 9,300 - 34,800/- with Grade Pay Rs.4200/3. Eligibility: Officers under the Central / State Government / Universities / Recognized

Research Institutes / Statutory/ Semi - Government or Autonomous Organizations:

a) holding analogous posts on regular basis;b) possessing the following educational qualifications and experience:

Essential: i) M.Sc. degree in Chemistry/Physics/Forensic Science with Chemistry or Physics as one of the subjects at B.Sc. level from a recognized University or equivalent.

preceding to this appointment in the same or some other organization/department of the Central Govl. shall ordinarily not exceed 3 years.) 4. Duties and responsibilities: To assist the scientific/ reporting officers starting from collection of scientific evidence from crime scenes, receiving case property, making entry/ documentation of case files, scientific analysis of the crime exhibits/ other case related aspects like statistical interpretation of data etc.

(Period of deputation including period of deputation in another ex-cadre post held immediately

Application for appointment to one post of Deputy Director (Explosives) (Group 'A' Gazetted, Non-Ministerial) on deputation basis in the Central Forensic Science Laboratory, Chandigarh/Hyderabad under Directorate of Forens Science Services, Ministry of Home Affairs, New Delhi. Name and Address in Block letters :

Date of retirement under Central/State Government Rules. : **Educational Qualifications**

Date of Birth:

5. Whether Educational and other qualifications required for the post are satisfied. (If any qualification has been treated as equivalent to the one prescribed in the rules state the authority for the same). Qualifications Qualification/Experience possessed

required

To

Scale of Pay &

6. Please state clearly whether in the light of entries made by you above you meet the requirement of the post.

Office/Org./Deptt.

7. Details of Employment in chronological order (Enclose a separate sheet duly authenticated by your signature if the space below is insufficient.

Essential

Desirable

basic pay duties 8. Nature of present employment i.e. Ad-hoc or temporary or Permanent or on deputation.

From

9. In case present employment is held on deputation/contract basis please state:-(a) The date of initial appointment (b) Period of appointment on deputation/contract

(c) Name of the parent Office/Organization to which you belong. 10. Additional details about present employment;-

Please state whether working under (a) Central Government

(b) State Government

Post Held

Universities (d) Recognized Research Institute

(e) Statutory Organization (f) Semi-Government Organization

(g) Autonomous Organization

11. Are you in Revised Scale of Pay? If yes, give the date from which the revision took place and

also indicate the pre-revised scale.

Total emoluments per month now drawn

13. Additional information, If any, which you would like to mention in support of your suitability for

the post. Enclose a separate sheet, if the space is insufficient.

Whether belong to SC/ST

Remarks. Date

Address Certificate to be given by Head of Office of the applicant:

1. It is certified that the particulars furnished by the officer are correct.

2. It is certified that no disciplinary / vigilance case is pending or contemplated against the appli-

cant and he is clear from the vigilance angle. His integrity is certified. 4. It is certified that no major or minor penalties have been imposed on the officer during the last

10 years. (Head of Office)

www.employmentnews.gov.in **Employment News 16-22 March 2013** Govt. of India Latest

(Ministry of Defence)

11 Infantry Divisional Ordnance Unit Pin- 909011 C/O 56 APO

Applications from eligible Indian national candidates are invited for recruitment to the fallowing

	Name of the post	Number of Vacancies	Pay Scale	Age Limit (in years)	Education and other qualifica- tion
1.	Mazdoor	02 Vacancies (01 ST + 01 OBC) which includes 01 vacancy reserved each for Ex-Servicemen and Physically Handicapped (Hearing Handicapped)	5200- 20200 + 1800 GP	OBC- 18-28 Yrs ST - 18-30 Yrs ESM- Service rendered+ 03 Yrs Hearing Handicapped - 18-35	As given below (*)

- (*) Education and other Qualification in respect of Mazdoor post: (a) Matriculation (b) Individual should be in good and sound health
- 1. Nature of post : Candidates selected will remain on probation for a period of 02 years. The posts are purely temporary but are likely to be made permanent and eligible for All India Service. 2. In case the candidate was previously considered under relaxation rules and rejected finally, the
- details must be mentioned in the application. 3. Documents to be attached with the application

(b) Two load carrying tests

- (a) Two copies of Passport size photographs, one of which will be pasted on the application & another will be pasted on the acknowledgement card.
- (b) One self addressed stamped envelope of size 12x28 cms of registered value. (c) Attested true photocopies of the following :-
- (i) Birth Certificate or School Leaving Certificate showing date of birth.
- (ii) Certificate issued by the competent authority in support of the claim of OBC/ST/Ex-Men/HH. (iii) Current employment exchange registration Card No, if any.
- (d) And any other relevant documents in support of information furnished in the application form.
- 4. Application should be addressed to Commanding Officer 11 Inf DOU, PIN-909011 C/O 56 APO
- alongwith self-addressed envelope affixed with postage stamp of Rs. 25/- Last date of receipt of application is **21 days** including Sunday and holiday from the publication of this advertisement in Employment News. The envelope containing the application form should be marked as "Application for the post of Mazdoor" (Ex Servicemen and Physical Handicapped (HH).
- 5. The envelope containing the application should be marked boldly 'For the post of Mazdoor (OBC/ST/Ex-Serviceman /Hearing Handicapped).
- 6. Physical Standards Required for the post of Mazdoor: Candidates are required to be phys-
- ically fit to perform the duties of Mazdoor and should meet the following standards:-(a) 1.6 Km Run
- Card at the time of physical test. 8. Candidates will be allowed to appear in written test/interview only after qualifying the physical test.
- 9. No TA/DA for the recruitment test will be paid. Candidates will make their own boarding and lodg-

7. Candidates will be allowed to appear in the physical test only if they produce the admission

- This unit will not be responsible for any kind of postal delay.
- 11. Disqualification: The following act/omission would render a candidate disqualified :-

didature for the selection, or (g) Improper filling of application.

- (a) Furnishing of false, inaccurate or tampered information or documents, or (b) Obtaining support of his candidature by any means, or (c) Impersonation by any person, or (d) Submitting fabricated documents, or (d) Making statements which are incorrect or false or suppressing material information, or (f) Resorting to any other irregular or improper means in connection with his can-
- 12. Important: Candidates must ensure that no column is left blank or wrongly filled. Applications not filled correctly will be liable to be rejected and the onus of such rejection would be on the candidate himself. The unit administration will not entertain any claim after such rejection. The appli-
- cation format be typed on a foolscap paper /A-4 size paper. 13. ST/OBC candidates who apply against unreserved vacancies will not be given the concession
- 14. Individual is required to bring all original certificates only on the date of physical test/Interview. Documents will be checked first. In case documents are incomplete individual will not be allowed for undertaking the physical test, practical test and interview and would automatically stand rejected.
- 15. No TA/DA for the test will be paid. Candidates will make their own boarding/loading arrangements for test /interview. 16. Merely fulfilling the basic essential qualification requisites does not entitle any person to be
- automatically called for test /interview. 17. No extra weightage will be given for additional/higher qualification in the recruitment.
- 18. List of selected candidates along with those in the reserve panel will be displayed outside unit on notice board after approval of the board proceedings by the convening authority.
- 19. WARNING All the candidates are warned to be careful from self styled agents and also requested to report to the Commanding Officer, 11 Infantry Divisional Ordnance Unit against any malpractice seen/observed by them.
- 20. Unit will not be responsible to pay any damage in case of injury/death of candidate during 21. 11 Infantry Division Ordnance Unit reserves the night to withdraw the vacancies and terminate
- the appointment during the period of probation without assigning any reason. 22. Any attempt by any candidate to influence the selection process may result in disqualification
- of the candidate for taking further part in the selection process APPLICATION FORM FOR THE POST OF MAZDOOR

1. Name of applicant (IN BLOCK LETTERS)

- 2. Father's Name
- (a) Occupation (b) Service/P/T.No
- (c) Department where serving
- (d) Nationality
- Government of India Ministry of Water Resources

Shram Shakti Bhawan, Rafi Marg, New Delhi Applications are invited for filling up of one post of Clerk [earlier designated as Junior Clerk

fications and experience:- i) holding analogous posts on regular basis; or, ii) with at least six

No.3/5/2012-Admn.

Coupon)] in the pay scale of Rs.3050-75-3950-4590/- (Pre-Revised) now Rs.5200-20200/-1900 (Grade Pay) in the Departmental Canteen in the Ministry of Water Resources by transfer on deputation from amongst employees of the Central Government possessing the following quali-

years of regular service in the pay scale of Rs. 2610-3540/- (Pre-Revised) now Rs. 5200-20200/-+ 1800 (Grade Pay); and iii) be a matriculate or equivalent from a recognized School/Institution and possessing one year experience in a clerical job. (The maximum age limit for deputation is 56 years as on the closing date of receipt of applications). Period of deputation The period of deputation including period of deputation in another ex-cadre post held immediately preceding this appointment in the same or some other organization/department of the Central Government shall ordinarily not exceed 3 years. The pay of the officers will be regulated in accordance with the Department of Personnel & Training's O.M. No. 2/99/91-Estt. (Pay.II), dated 05.01.1994, as amended from time to time. Last date for receipt of applications: The applications of eligible and willing candidates may be forwarded in the given proforma, to the Under Secretary (Admn.), Ministry of Water Resources, Room No.424, Shram Shakti Bhawan, Rafi Marg, New Delhi

110001 alongwith up-to-date CR dossiers/Performance Reports and vigilance clearance within 60 days of the date of issue of this advt. **CURRICULUM VITAE PROFORMA**

1. Name and Address (in Block letters): 2. Date of Birth (In Christian era):

3. Date of retirement under Central/State Government Rules. :

Education Qualification

4. Date of Birth (In Christian Era) Months Days

2013 which is last date of receipt of application)

5. Appearing as ST/OBC/Ex-Serviceman/PHP(HH):

7. Whether registered with Employment Exchange If yes, Registered Number &

attested by name of Employment Exchange. 8. Permanent Address

9. Address of correspondence **DECLARATION** I declare that no criminal case is pending against me in any Court of Law within India. I also

information is found false in my application form, it is liable to be rejected without any intimation. If particulars mentioned by me are found false at any stage my service will be terminated without any notice. Date:

declare that information given in the application form is correct to the best of my knowledge. If any

(Signature of the Applicant) **ACKNOWLEDGEMENT / ADMISSION CARD**

FOR THE POST OF MAZDOOR (IN 11 INF DOU)

1. Your application has been accepted / rejected due to the following reasons :-(a) Application form is incomplete.

(b) Incomplete /wrong documents. Photograph not pasted / attested. (c)

(d) More than one application forms are received.

2. Registration No.

Date of Examination: 2013

4. Time of reporting

Place of Physical Test/Interview :11 Infantry Divisional Ordnance Unit C/O 56 APO, (Distt

Ahmedabad, GUJARAT)Near Hanuman Camp Shahibaugh 6. Applicant should bring original documents for age proof / educational qualification / caste cer tificate on the date of examination / interview.

7. In case of Physically Handicapped candidates, medical documents duly signed by CMO of District showing percentage of disability and nature of physical disability be brought. In case of Exserviceman, Identity card, personal discharge Book will be brought in original.

NAME & ADDRESS OF THE INSTITUTE / HOSPITAL

Certificate No. _ Date

DISABILITY CERTIFICATE

This is certified that Shri/Smt/Kum _ son/wife/ daughter of Shri _ Sex _ age identification mark(s) is suffering from permanent disability of following category:

Locomotor: or cerebral palsy: (i) BL-Both legs affected but not arms.

(ii) BA-Both arms affected

(iii) BLA-Both legs and both arms affected

(iv) OL-One leg affected (right of left)

(v) OA-One arm affected

(vi) BH-Stiff back and hips (Cannot sit or stoop) (vii) MW-Muscular weakness and limited physical endurance Blindness or Low Vision:

(i) B-Blind (ii) PB-Partially Blind Hearing impairment:

B.

(i) D-Deaf (ii)PD-Partially Deaf

(Delete the category whichever is not applicable) 2. This condition is progressive / non-progressive / likely to improve / not likely to improve. Re-

assessment of this case is not recommended / is recommended after a period of vears months.

3. Percentage of disability in his/her case is percent.

(a) F-can perform work by manipulating with fingers.

(b) PP-can perform work by pulling and pushing. (c) L-can perform work by lifting. (d) KC-can perform work by kneeling and crouching.

(e) B-can perform work by bending. (f) S-can perform work by sitting.

(g) ST-can perform work by standing. (h) W-can perform work by walking.

(i) SE-can perform work by seeing. (j) H-can perform work by hearing/speaking.

(Dr

the same).:

Essential

Desired

(k) RW-can perform work by reading and writing. (Dr Member Member

Medical Board Medical Board Countersigned by

Head of the Govt. General Hospital (State Govt. Hospital) With stamp *Strike out which is not applicable.

davp 10202/11/0310/1213 4. Educational Qualifications:

Experience required

Qualifications/ Qualifications/Experience possessed by the Officer

(1)(2)(3)(1)(2)

ments of the post. 7. Details of Employment in chronological order (Enclose a separate sheet duly authenticated by your signature if the space below is insufficient.)

Office/Institution | Post Held | From | To Scale of Pay and basic pay 8. Nature of present employment i.e. Ad-hoc or Temporary or Quasi- Permanent or Permanent.:

(b) Period of appointment on deputation/contract

- 10. Additional details about present employment;-Please state whether working under (indicate the name of your employer against the relevant

- (b) State Government

Annexure-I

Continued on page 9

(c) Autonomous Organization

Passport

size photo-

graph duly

gazetted

Latest pass

port size

photograph

duly attest-

ed by

Gazetted

Officer

Recent

Photograph of

the candidate

showing the

disability duly

attested by

Chairperson of

the Medical

(a) Impaired reach

(a) Impaired reach

(a) Impaired reach

(b) Weakness of grip

(c) Ataxic

(c) Ataxic

(b) Weakness of grip

(b) Weakness of grip

4. Sh./Smt./Kum....meets the following physical requirements for discharge of his/her

Yes/No Yes/No Yes/No

Yes/No Yes/No Yes/No Yes/No

Yes/No

Yes/No Yes/No Yes/No (Dr

Medical Board

Member

District Medical Officer/Medical Superintendent /

EN 50/62

5. Whether Educational and other qualifications required for the post are satisfied. (If any qualification has been treated as equivalent to the one prescribed in the rules state the authority for

6. Please state clearly whether in the light of entries made by you above you meet the require-

9. In case the present employment is held on deputation/contract basis please state:-(a) The date of initial appointment (c) Name of the parent Office/Organization to which you belong.

(a) Central Government

EN 50/61

Recruitment Notice: Civilians

Govt of India Min. of Defence

HQ MIRC, Ahmadnagar (MH) -414110 **Employment Notice No. 01 /2013** 1. Applications are invited in the prescribed Proforma given below from the persons (Indian Nationals)

S.	Name of Post	No. of	Reserved	Scale of Pay	Qualification and
No.		vaca- ncies	for	as per 6th ĆPC (i.e. Pay Band, Scale and Grade Pay)	experience for the post
1.	Cook	03 02 02	Gen -01 OBC-04 *OBC-02 *Reserved for Ex-servi- ceman	PB-1 -Rs.5200-20200 with Grade Pay of Rs.1900/-and other allowances	(i) Matriculation or equivalent examination of recognized Board or University.(ii) Must have knowledge of Indian Cooking and proficiency in trade.
2.	LDC	01	OBC -01	PB-1 -Rs.5200-20200 with Grade Pay of Rs. 1900/-and other allowances	(i) Std 12 th passed or equivalent examination of recognized Board or University. (ii) Must have a speed of 35 words per minute in English Typing or 30 words per minute in Hindi Typing on Computer.
3	Civil Motor Driver Ordinary Grade	01	*01-Gen *Reserved for Ex- serviceman	PB-1 -Rs.5200-20200 with Grade Pay of Rs.1900/-and other allowances	(i) Matriculation or equivalent from recognized Board. (ii) Must possess the civil- ian driving license for heavy vehicle and have two years experience of driving such vehicles.
4.	Washerman	02	Gen -01 ST -01	PB-1 -Rs.5200-20200 with Grade Pay of Rs. 1800/-and other allowances	(i) Essential: Matriculation or equivalent examination of recognized Board. (ii) Desirable: Must be wash Military/ Civilian clothes thoroughly well.
5.	Gardener (MULTI TASKING STAFF)	01	Gen -01	PB-1 -Rs.5200-20200 with Grade Pay of Rs. 1800/-and other allowances	(i) Essential: Matriculation pass or equivalent from recognized Board. (ii) Desirable: Conversant with the duties of Gardener with one year's experience in the trade.
6.	Messenger (MULTI TASKING STAFF)	01	Gen -01	PB-1 -Rs.5200-20200 with Grade Pay of Rs. 1800/-and other allowances	(i) Essential: Matriculation or equivalent from recognized Board. (ii) Desirable: Conversant with the duties of Messenger with one year's

Total 2. Age Limit :-

Date:

Safaiwala

TASKING

Chowkidar

TASKING

(MULTI

STAFF)

(MULTI

STAFF)

(a) For General candidates. - 18 years to 25 years For OBC candidates - 18 to 28 years. (b)

OBC -03

Gen- 04

Gen- 01

03

03

01

21

- 18 to 30 years For ST candidates (c) For Ex-Serviceman (General candidates) - 03 Years relaxation after deduction of the (d)

military service rendered from actual age as on the crucial date.

For Ex-Serviceman(OBC candidates) - 06 Years relaxation (3 Years + 3 Years) (e)

after deduction of the military service rendered from actual age as on completion of skill Test. (f) Age limit relaxable for Govt servants as under:-

PB-1 -Rs.5200-20200

with Grade Pay of Rs.

PB-1 -Rs.5200-20200

with Grade Pay of Rs

1800/-and other

allowances

1800/-and other

allowances

(i) For the post of Cook, LDC, Civ Motor Dvr - upto 40 years

(ii) For the post of Washerman, Gardener, Messenger, Safaiwala, Chowkidar. - upto 35 years.

3. Syllabus written examination for above posts will be as under :-

(i) General Intelligence and Reasoning (25 Qs, 25 Marks) (25 Qs, 25 Marks) (ii) Numerical Aptitude

(iii) General English. (50 Qs, 50 Marks)

(iv) General Awareness (50 Qs, 50 Marks)

4. Written and oral examination will be in Hindi/English language.

5. Questions papers will be bi-lingual (Hindi/English).

6. Answers will be allowed in Hindi/English language.

7. All eligible candidates are requested to forward their applications as per the format given with com-

Mar 2013

plete bio-data age/caste proof, education qualification certificates, experience certificates so as to reach Adm Office (Civil Section), HQs MIRC, Darewadi, Solapur Road, Ahmadnagar-414110 (Maharashtra)

ters. If self addressed envelope is not found enclosed, the application shall not be considered. Candidates may apply for one post only. Incomplete applications will be rejected. 8. ST/OBC candidates who apply against unreserved post will not be given any concession of reserved category, as they will be considered in the Un-reserved category.

on or before 30 Mar 2013 alongwith an extra self addressed envelope duly stamped for issuing call let-

9. Date of interview/entrance test will be intimated separately to the eligible candidates only. Station: Ahmadnagar

(Sandeep Malik) Lt Col, Col Adm

experience in the trade.

Matriculation or equiva-

(ii) Desirable: Conversant

Matriculation or equiva-

(ii) Desirable: Conversant

lent from recognized

with the duties of Chowkidar with one year's experience in the trade.

lent from recognized

with the duties of Safaiwala with one year's experience in the trade.

(i) Essential:

(i) Essential:

Board.

Board.

Continued from page 8

(d) Government Undertaking (e) Universities

(f) Others

11. Please state whether you are working in the same Department and are in the feeder grade or feeder to feeder grade. 12. Are you in Revised Scale of pay? If yes, give the date from which the revision took place and

also indicate the pre-revised scale. 13. Total emoluments per month now drawn

14. Additional information, if any, which you would like to mention in support of your suitability for the post. (This among other things may provide information with regard to (i) Additional academic qualifications (ii) professional training and (iii) Work experience over and above prescribed in the Vacancy Circular/Advertisement) (Note: Enclose a separate sheet, if the space is insufficient). 15. Please state whether you are applying for deputation (ISTC)/Absorption /Re-employment

Basis. (Officers under Central/State Government are only eligible for "Absorption". Candidates of non-Government Organization are eligible only for Short Term Contract.)

16. Whether belongs to SC/ST: 17. Remarks (The candidate may indicate information with regard to (i) Research publication and

reports and special projects (ii) Awards/Scholarship/Official Appreciation (iii) affiliation with the professional bodies/institutions/societies and (iv) any other information. (Note: Enclose a separate sheet, if the space is insufficient). I have carefully gone through the vacancy circular/advertisement and I am well aware that the Curriculum Vitae duly supported by documents submitted by me will also be assessed by the

Selection Committee at the time of selection for the post. Signature of the Candidate

Date	Address:
	Countersigned
	(Employer with Seal)
davp 45101/11/0020/1213	

Sainik School Nagrota-Jammu (J&K) Recruitment Applications are invited from the suitable candidates for the following posts as per the details

given against each: -

SI. No.	Post	Salary	Age	Essential Qualification	Desirable
(a)	Master (Maths) (Regular)- 01	Rs.9300- 34800 with Grade Pay of Rs.4800/-	Between 21 to 35 yrs	M.Sc with B.Ed in concerned subject from a recognized university	Experience in teaching in a reputed English medium school. Proficiency in sports and extra curricular activities.
(b)	Asstt. Master (English) (Regular)- 01	Rs.9300- 34800 with Grade Pay of Rs.4600/-	Between 21 to 35 yrs	BA with B.Ed in concerned subject from a recognized university	Experience in teaching in a reputed English medium school. Proficiency in sports and extra curricular activities.
2. Allow	ances & Pe	erauisites - In	addition to D	A at Central Govt. rate	es, incumbent is entitled to

free accommodation as available/HRA, LTC, PF, New Pension Scheme, gratuity etc and subsidized education for two children.

3. Apply on plain paper with a passport size photo, bio-data to include Name, Address, Telephone No. with STD Code, DOB, Status (Gen/SC/ST), Academic Record with percentage up-to highest degree, co-curricular activities and level of participation in games, NCC, Experience certificates with

exact date and institutions served. Applications must accompany an Account Payee DD of Rs. 500/-(Non-refundable) drawn in favour of Principal Sainik School Nagrota J&K (Code No. 03938).

4. Applications with attested copies of documents along-with self addressed envelope with Rs.22/stamps affixed must reach Principal Sainik School Nagrota, Jammu (J&K) - 181221 within 15 days from the date of publication of this advertisement. School will not be responsible for postal delay. No TA/DA will be paid to short-listed candidates who only will be called for Interview.

5. The school administration reserves the right to cancel the vacancy due to administrative/policy reasons

6. Detailed information is also available on the school website - www.sainikschoolnagrota.com

		EN 50/92
APPL	APPLICATION FORM ICATION FOR THE POST OF	
		FOR OFFICE USE ONLY

Regn No. ----

The Commandant HQ MIRC, Ahmadnagar-414110

PASSPORT SIZE **PHOTOGRAPH**

1) Name in full (Capital):-CLIDNIAME

SURIN	AIVIE	INAIVIE	FATHER/HUSBAND NAME
Data of Diath	(Decent also yeld is a sett)		

2) Date of Birth (Proof should be att)

Date	WOTHIS		rears	
 4 0040	V	N A = == 4 l=	D	

Age as on 30 Mar 2013 4. Permanent Address

5. Local Address

6. Caste (CTC of cert issued by _

competent authority to be attached)

7. Educational Qualification (Xerox copy duly attested attached)

8. Experience if any (Xerox copy duly attested attached) _ 9. Name of the post applied __ Reserved for

10. Have you been convicted in criminal cases.

Yes/No 11. Contact No. (Telephone/Mobile No.)

DECLARATION

I, hereby declare that all the statements made in the application are true and correct to the best of my knowledge and belief. I, understand that in the event of particulars or information given hereby being found false or

incorrect my candidature for the examination is liable to be rejected or cancelled and on the event of my mis-statement/discrepancy in the particulars being detected after my appointment, my service is liable to be terminated without notice to me.

Signature of candidate

www.employmentnews.gov.in **Employment News 16-22 March 2013**

Government of India DEPARTMENT OF ATOMIC ENERGY Atomic Minerals Directorate for Exploration & Research

Advertisement No. AMD-1/2013 Last date for receipt of Applications: 22-04-2013

Applications are invited from eligible candidates for appointment to the following posts in Atomic Minerals Directorate for Exploration & Research (AMD), Department of Atomic Energy:

1. Name of the Post	Assistant Security Officer – A (MALE)				
Pay Band	PB-2 ₹9300 – 34800 with GP ₹4200/- plus other allowances as admissible.				
Total No. of posts	10 (Gen - 06; OBC - 03; SC- 01)				
Minimum Qualifications & Experience	Direct Recruits :Graduate from a recognized University. For Ex-servicemen, :Graduate from a Ex-Police and Ex-Central recognized University Para Military Personnel or equivalent.				
Experience	For Ex-servicemen: Not below Junior Commissioned Officer or equivalent or having five (05) years experience as Non-Commissioned Officer or equivalent.				
Physical Standards	No deformity				
Minimum Height	167 Cms				
Chest	80-85 Cms				
The screened in candid	dates for the above post will have to				

qualify in the physical endurance test conducted by the duly constituted Board as follows:

(a) Physical events:

- 1.6 Kms run in 06 minutes 30 seconds Long Jump - 3.65 meters in 3 chances
 - Age Group Nos. Upto 30 years 08-09 Chin Ups 05-06 30-40 years 40 - 45 years 16-17 Push Ups Above 45 years 12-13 Sit Ups Upto 30 years 25-29 30-40 years 20-24 40 - 45 years 15-19 Above 45 years 10-14
- The candidates who qualify the above physical endurance test will only be allowed to appear a written test for 75 marks in the allotted time of 90 minutes. Composition of the question paper wil be as per the following pattern:
- (I Comprehension :25 marks (ii) Report writing :25 marks Analytical :25 marks
- (Basic Maths, General Awareness, Objective type) :25 marks (iv) Personal Interview NOTE: Candidates having NCC 'C' certificate & State Leve
- Sports Certificate will be preferred. Nature of Duties Deploying Security Staff, regulating entry/exit of authorised personnel

Age	vehicles / materials, attending to untoward incidents like tresspassing, theft, fire, accident etc., taking security rounds, conducting enquiries, recording statements, collecting intelligence, rendering assistance to employees in case of emergency, supervising packing of materials, clearing gate pass, enforcement of security rules/procedure, operating gadgets, drawing panchanamas, making written reports of unusual happenings and liaisoning with police. The candidates so recruited are required to perform round the clock shift duties. Minimum 18 years and Maximum 27 years as on 01.01.2013. Maximum age limit for Ex-servicemen and persons with police and paramilitary backgrounds is 30 years (after deducting the period of service from the actual age) Relaxable for Government Servants upto 35 years' in accordance with the instructions/orders issued by the Central Government. Ex-servicemen and Ex-constables shall be eligible to apply only within three years of discharge of retirement from Armed Forces or Police.
2. Name of the Post	SECURITY GUARD (MALE)
Pay Band	PB-1 ₹5200 - 20200 with GP ₹1800/-
	plus other allowances as admissible.
Total number of posts	60 (General–30; OBC-25; SC–05) Out of 60 posts 06 of posts are reserved for Ex. Servicemen of any category.
Educational	Direct Recruits : 10 th standard pass

For Ex-servicemen, : 10th standard pass or Ex-Police and Ex-Central equivalent certificate

Para Military Personnel from Armed Forces.

Minimum 18 years and maximum 27

Ex-servicemen and Ex-constables shall

be eligible to apply only within three

years of discharge of retirement from

Minimum Height: 167 Cms.

years as on 01.01.2013.

Armed Forces or the Police

No deformity

Chest: 80-85 Cms.

The screened in candidates for the post of Security Guard will

have to qualify in the physical endurance test conducted by the

(i) 100 Metres Run - in 16 Seconds

Qualifications

Age

Physical Standards

duly constituted Board as follows:

Physical Test Events:

(ii) Long Jump - 3.65 meters in 3 chances

Age Group Nos. Upto 30 years 08-09 Chin Ups 30-40 years 05-06 40 - 45 years 16-17 Push Ups Above 45 years 12-13 Upto 30 years Sit Ups 25-29 20-24 30-40 years 40 - 45 years 15-19 Above 45 years 10-14

The candidates who qualify the physical endurance test alone will be allowed to appear a written test for 75 marks in the allotted time of 90 minutes. Composition of the question paper will be as per the following pattern: :25 marks

:25 marks

:25 marks

- Comprehension (ii) General Awareness (Objective type)
- (iii) Analytical or Basic Maths (Objective type)
- (c) Personal Interview :25 marks 3. Name of the Post | WORK ASSISTANT - A (MALE & FEMALE) (Laboratories / Work Shops / Plant / Cosmetic Maintenance / Field Posting) Pay Band PB-1 ₹5200 - 20200 with GP ₹1800/plus other allowances as admissible. 100 (Gen - 51; OBC - 30; SC - 19) Total Number of posts {10 posts are for ex-servicemen} Out of the above 100 posts, 12 posts Are reserved for PWD of any category (VH-04; HH-04; OH-04) 6. Copies of Certificates: Candidates should submit along with their application, attested copies of following certificates: Educational 10th (Tenth) Class Pass Qualifications Age Minimum 18 years and Maximum 27 years as on 01.01.2013

The screened in candidates will have to

qualify in the Written Examination

followed by Personal Interview.

NATURE OF DUTIES OF WORK ASSISTANT - A:

Mode of Recruitment

- 1) Cosmetic maintenance of laboratories, office buildings and surrounding areas including toilets, providing clean, neat, and hygienic ambience in the area and miscellaneous office work. Cleaning and decontamination of plants/machinery, assistance in plants / workshops /stores and other utility areas. The duties may also involve working in round the clock shifts. 2) Duties include developing the gardens by digging soil and
- watering, weeding, mowing, manuring, pruning and propagating plants and flower arrangements. 3) Agricultural operations including ploughing, harvesting, seed sorting/packing, pesticides and fertilizer treatment, bird watch,

planting of different plants, maintenance of gardens by sweeping,

- 4) Miscellaneous office work which include movement of files, papers & other waste materials photocopying work etc.
- 5) Rendering assistance to personnel in Survey, exploration & Drilling activities.
- RELAXATION IN UPPER AGE: (for all category of posts Relaxation up to 5 years against reserved posts for SC and 3years for OBC candidates
- Relaxation for Ex-Servicemen will be provided as per rules. Departmental candidates with 3 years continuous service - up to
- 40 years of age (45 years in case of SC/ST). (applicable for Security Guards & Work Assistant posts only)
- Relaxation up to 10 years (15 years in case of SC/ST) for Blind
- Deaf-mute and Orthopedically handicapped persons. Relaxation in the upper age limit of 5 years shall be admissible to
- persons who had ordinarily been domiciled in Kashmir division of the state of Jammu & Kashmir during the period from 1.1.1980 to 31.12.1989 provided that the relaxation in the upper age limit for appearing at any examination shall be subject to the maximum number of chances permissible under the relevant rules. Any person intending to avail of this relaxation of age limit shall submit a certificate from (a) the district magistrate the Kashmir division within whose jurisdiction he had ordinarily resided; or (b) any other authority designated in this behalf by the Government of J & K during the period from 1.1.1980 to 31.12.1989.
- Relaxation in the upper age limit of **5** years shall be admissible to children / Family members of those who died in the 1984 Riots Proof of the effect that they have been affected by 1984 Riots should be furnished. Age relaxation will be admissible only for the posts

which fall in the Reserved Category. A written examination would be conducted for selection of

candidates against all the three category of posts. The date, time and venue for written examination will be

intimated to the eligible candidates. After qualifying the writter examination, they have to appear for personal interview. AMD reserves the right to increase/decrease the number

of post or cancel the advertisement depending upon the requirement/policy of the Department/Government. fulfilling the requirement as laid down in the advertisement does not entitle a candidate to be called for a written number of candidates to a reasonable limit on the basis of scholastic records, percentage of marks in the qualifying examination where the number of applications received in response to the advertisement are large in number and where it is not practicable for this Directorate to call all the candidates for written examination/interview.

APPOINTMENT & PLACEMENT: Atomic Minerals Directorate for Exploration & Research (AMD) is basically a field oriented organization. The candidates are liable to be posted for field and or laboratory work in any one of the Regions with Headquarters at New Delhi, Bengaluru, Nagpur, Jamshedpur, Shillong, Jaipur and Hyderabad or in its sectional offices located at Visakhapatnam & Thiruvananthapuram or any of the field units located anywhere in India or any other Centre to be established by the AMD in future or in any of the Constituent Units of the Department of Atomic Energy in India. They should be prepared and must be willing to bear the arduous conditions of field life which involve living in tents or in improvised field accommodation They should be physically and mentally strong enough to withstand all the rigors and hazards of field life.

TRAVELLING ALLOWANCE:

test/interview from outstation will be eligible for reimbursement of journey expenses limited to single SECOND CLASS (General) railway fare each from the place of normal residence to place of examination & back by the shortest route as per rules subject to production of un-employment certificate from MP/MLA/Gazetted Government Officer. If concessional tickets are available, reimbursement will be limited to the concessional fare only. WEBSITE: The Advertisement, application proforma & format of OBC certificate are available on AMD website at www.amd.gov.in. The status of recruitment against the above advertisement such as applications screened-in for written examination/interview/ selected list will be made available on AMD

Only unemployed SC/ST candidates called for written

1. The application should be submitted in the proforma given in the Advertisement, preferably typewritten on thick A4 size/foolscap

The application and the outer cover should be superscribed as Application for the post of AMD, against the advertisement AMD-1/2013.

Separate application should be submitted for each post, if a candidate wishes to apply for more than one post. 4. The candidates name, address with pincode, date of birth should be written legibily in English in Bold Capital Letter even if a

candidate fills the application form in Hindi. Photograph: A recent passport size photograph should be affixed on the space provided on the right hand top corner of the application and an additional photograph (with name on backside) sent along with the application.

(a) Educational/technical qualifications (supported by appropriate marks sheets indicating the subjects offered at the examination). (b) Date of Birth (c) Caste Certificates in the prescribed proforma issued by the

Competent Authority regarding the claim that the candidates belongs to SC/ST/OBC.

personnel only)

(d) Non-creamy layer & validity certificate issued within one year in respect of OBC candidate. (e) Discharge certificate from Defence (applies to ex-defence

(f) No-objection certificate (applies to persons working in

Central/State government/public sector undertakings). (g) Certificate from Appropriate Authority regarding physical disability (applicable to physically disabled persons only) (h) Proof if affected by 1984 Riots.

(i) Certificate regarding domiciled in Kashmir Division from

01.01.1980 to 31.12.1989 (if claiming age relaxation for Kashmir Division) IMPORTANT REQUIREMENT OF DISABILITY CERTIFICATE

1. According to the Persons with Disabilities (Equal Opportunities,

Protection of Rights and full participation) Rules, 1996 notified on 31.12.1996 by the Central Government in exercise of the powers

conferred by sub section (1) and (2) of Section 73 of the Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995 (I of 1996), a disability certificate shall be issued by a Medical Board duly constituted by the Central or a State Government. The Central/State Government may constitute a Medical Board consisting of at least three members, out of which,

one member shall be Specialist from the relevant field.

whose disability is temporary. The Medical Board shall indicate the period of validity of the certificate where there are chances of variation in the degree of disability. For those who acquired permanent disability, the validity can be shown as Permanent. On representation by the applicant, the Medical Board may review its decision having regard to all the facts and circumstances of the

2. The Certificate would be valid for a period of 5 years for those

case and pass such orders in the matter as it thinks fit. Those SC/ST/OBC/persons with disabilities selected on their own merit without relaxed standards along with other candidates will be considered against unreserved vacancies provided the post

is identified for persons with disability of relevant category. .Completed applications should be sent to: Assistant Personnel Officer (R) Atomic Minerals Directorate for Exploration & Research (AMD),

1-10-153/156, AMD Complex, Begumpet, Hyderabad - 500 016, Andhra Pradesh.

GENERAL INSTRUCTIONS: 1. The candidates applying against the reserved vacancy for physically challenged persons should have at least a minimum of forty percent disability (moderate) and certified by the appropriate

medical authority. 2. Persons who are applying for more than one post should submit separate applications for each category

3. Persons working under Central/State Government/Public Sector undertakings should submit their applications through proper channel. They may however, send one advance copy of the application along with required enclosures before the prescribed last date.

4. Applications which are not in conformity with the requirements indicated in the advertisement will be rejected. E.g. applications which are not in the prescribed format, not accompanied by the attested copies of all the Marks memos, pass certificates, date of birth certificate, photographs, caste certificates, non-creamy layer in case of OBC, PH Certificate, proof of residence in the case of J & K domiciled candidates etc.

5. Candidates selected against this advertisement are likely to be posted in any of the Regional Headquarters/Field units of this Directorate and also liable to serve in any constituent units of the

Department of Atomic Energy.

6. The number of vacancies shown above is provisional and liable to vary. In case the vacancy position for any category is reduced or even made nil. AMD is not liable to compensate the applicant for consequential damage/loss.

The Candidates belonging to SC/ST/OBC should clearly indicate the same in the application(even when applying for Unreserved vacancy) and should attach proof of the same in the specified format, failing which they will be treated as unreserved and subsequent representations for change of community status will not be entertained In case of OBC, the certificate should specially indicate that the candidate does not belong to the

persons/sections (creamy layer) mentioned in Col.3 of the

Schedule of the Government of India, DOPT OM

No.36033/3/2004-Estt(Res.) dated 14.10.2008. Continued on page 11-

Affix your latest

passport size

photograph

duly attested by

a Gazetted

Officer

Office of the Cantonment Board, Lansdowne

Pauri Garhwal (Uttrakhand) **Employment Notice**

Lansdowne Cantonment Board invites application from eligible candidates for the post of Permanent post of Sanitary Inspector on 30-03-2013:-

1. Sanitary Inspector (Permanent Post) - 01 (Gen.)

- Requisite qualifications-Inter Science with Cert/Dip in Pub Hyg awarded by the provisional Hygiene Institute . Govt. of Uttar Pradesh. Lucknow, the certificate awarded by the All India Institute of Local Self Govt. Bombay, and the National Council of Rural Education, Delhi.
- Age Limit Min. 18 to Max. 25 years as on 31-01-2013.
- Pay scale P.B.+G. P. Rs. 9300-34800 +4200 (Pre-revised 5000-150-8000)
- Applications are invited for the above post should be received to this office on or before 30-03-2013. The applications will be submitted by the applicant with 02 passport size photographs attested Xerox copies of educational qualifications and experience 01 self address envelope with Rs. 5/- postal stamps. The applicant should clearly mentioned on the top of the envelope "application for the post of "SANITARY INSPECTOR"
- Incomplete /late received application will not be entertained.
- No TA/DA shall be paid for appearing in test /interview.

The Board/undersigned reserves the rights to accept or reject any application or all offers without assigning any reasons thereof. Tele 01386-262214

Office of the Cantonment Board

Lansdowne, Pauri Gharwal-246155 Uttrakhand. **CHIEF EXECUTIVE OFFICER**

CANTT BOARD LANSDOWNE EN 50/99

Navodaya Vidyalaya Samiti

The Navodaya Vidyalaya Samiti, an autonomous organization under the Ministry of Human Resource Development (Department of School Education & Literacy) invites application for filling up the posts of Executive Engineer in the scale of pay in PB-3, Rs.15,600-39,100/- with grade pay of Rs.6600/- on deputation basis at Navodaya Vidyalaya Samiti, Hgrs. and its Regional Offices located at Chandigarh, Jaipur, Bhopal, Lucknow, Hyderabad, Pune, Patna and Shillona Essential qualifications required for appointment to the post of Executive

Engineer is as under-At least a Graduate degree in Civil Engineering from a recognized

- University with at least 50% marks. Persons serving in Government departments/ organizations as:
- a) Executive Engineer (Civil) with experience in Civil works.
 - b) Assistant Engineer (Civil) with 5 years experience in Civil works.

OR

UPPER AGE LIMIT: Upto 55 years

Terms and Conditions

- The period of deputation would be initially for a period of three years, which may be extended further at the discretion of the Competent
- 2. The officers selected will have the option to draw either his grade pay plus Deputation (Duty) Allowance or his pay fixed in the scale of post as per existing Govt. of .India instructions.
- The Navodaya Vidyalaya Samiti, being an autonomous body, the employees are neither eligible for allotment nor retention of general pool accom-The application, in the given proforma giving complete details with recent pho-

tograph may be sent through proper channel to the Deputy Commissioner (Admn.), Navodaya Vidyalaya Samiti, B-15, Institutional Area, Sector-62, NOIDA (UP)-201309 within 21 days from the date of publication of this notification. While forwarding the applications, it may be certified by the sponsoring authority that the particulars furnished by the officer are correct and that no vigilance or disciplinary case is pending or contemplated against the officer concerned along with the gist of ACR for preceding five years i.e. upto 2011-12.



Hindustan Times, Navbharat Times and Dainik Jagran and accordingly result notified on ESIC website for 24 para-medical posts (except librarian grade-II), the result of shortlisted candidates for the post of Resp. Lab. Technician and Dialysis Technician may be treated as withheld in addition to already withheld result of Librarian Grade-II, till further orders. EN 50/88 DIRECTOR (MEDICAL) DELHI

APPLICATION FOR THE POST OF EXECUTIVE ENGINEER ON **DEPUTATION BASIS**

- 1. Name of the applicant
- 2. Father / Husband Name Category (Generai/SC/ST/OBC)
- 4. Date of Birth 5. Age as on 31.01.2013
- 6. Present post & date of appointment in the present Grade
- 7. (i) Present Band Pay (ii) Pay Band
- (iii) Grade Pav 8. Preference for place of posting
- 9. Address for :-
- (i) Correspondence
- (ii) Organization/ Relieving
- Authority where presently working
- (iii) Contact Nos.: Phone (O) (M)..... FAX No.....

E-mail ID 10. Educational Qualification (in chronological order from Senior Secondary

[class -XII] onwards: Subjects % of marks obtained Examination | Years of | Board / passing University taken No. passed (upto 2 decimal points)

11. Experience (in chronological order)

ly to be posted anywhere in India.

S.	Post	Organization	Post held				Pay Scale	Nature of
No.	held		From	То	with break up	duties		

12. Native State

DECLARATION I solemnly declare the statements and details given above in the application form are correct to the best of my knowledge and belief, in case any of the details in the application form are found false at a later stage, my candidature/appointment may be cancelled/withdrawn. I am fully aware that the appointment in the Samiti bears an All India Transfer Liability and I am like-

(Signature of the Candidate)

Date: Place:

(FOR USE OF FORWARDING OFFICE)

It is certified that the details provided by the applicant as above are correct as per the records. No Vigilance/Disciplinary case, is pending/contemplated against Shri/Smt./Ms. If selected, the individual will be relieved immediately. The copies of ACRs of Shri/Smt./Ms. for the last 05 years are enclosed.

(Signature of the forwarding officer	r)
Name	
Designation	
Seal of the Office	
=	

EN 50/64

Continued from page 10

8. The selected candidates will be governed by the new
restructured defined Contribution Pension Scheme, which has
come into force with effect from 1.1.2004 vide Notification
No.5/7/2003-ECB&PR dated 22.12.2003 of Ministry of Finance.
9. Mere fulfillment of requirements as laid down in the
advertisement does not entitle candidates to be called for written

examination/interview. In case the response is more, the screening will be restricted to those with higher percentage of marks & experience wherever prescribed by the competent authority in AMD followed by a written examination / personal interview. No correspondence in this regard will be entertained.

10. Candidates possessing qualifications higher than prescribed

may not be considered on the grounds of over qualification. 11. Application which is illegible, incomplete, unsigned, not in prescribed format, without photo of candidate, not having attested photo copy of certificates is liable to be rejected.

12. If the post applied for is not indicated on the top of the envelope and the application, the same will not be entertained.

WARNING:

Applications which are not in conformity with the requirements indicated and which are not in the prescribed form or are not accompanied by the attested copies of certificates and photograph will be rejected. Mere fulfilling of requirement as laid down in the advertisement does not qualify a candidate for employment. AMD reserves the right to fill up all the posts or alter the number of posts or even cancel the whole process of recruitment and change the centre of examination without any notice.

CANVASSING IN ANY FORM WILL BE A DISQUALIFICATION. **Government of India Department of Atomic Energy**

Atomic Minerals Directorate for Exploration & Research Begumpet, Hyderabad - 500 016. **ADVERTISEMENT NO.: AMD-1/2013**

Application for the post of

with STD code etc

7	phoadon for th	10 post of		
	(F	or office use only	()	Affix
Application No. Examination Centre			Roll No.	Latest Passport Size
				Photo
1.	Full Name (BL (As per SSC C	OCK LETTERS) Sertificate)		
2.	Father/Husband	l/Guardian's Name		
3.	Date of Birth (in Christian E	ra)		
4.	Age as on 1-1-	-2013		
5.	Sex		Male / Female	
6.	Marital Status		MARRIED / SINC WIDOWER / WIE	
7.	Religion			
8.	Whether the a to GENERAL/S	pplicant belongs SC/ST/OBC.		
	If belongs to S please state the	C/ST/OBC e name of Caste		
9.		ete Postal Address TERS with State, phone No.		

10.	Permanent Postal Address in BLOCK LETTERS with State, Pin Code, Telephone No. with STD code etc.	
11	Nationality	
11.	,	
12.	Whether applying against Physically Handicapped? (OH / HH / VH)	Yes / No
	If YES, indicate the percentage and	
	type of disability and enclose	
	relevant certificate.	
13.	Whether Ex-Serviceman?	YES / NO (If YES enclose
		relevant certificate)
14.	Are you domiciled in Jammu &	YES / NO (If YES enclose
	Kashmir during the period from	relevant certificate)
	1-1-1980 to 31-12-1989?	
15.	Are you a family member of	YES / NO (If YES enclose
	those who died in 1984 Riots?	relevant certificate)
16.	Are you under any contractual	
	obligation to serve the Central /	
	State Government /any other	
	Public Sector Undertaking?	
	If so, please furnish full details.	
17.	Details of relatives, if any e	mployed in the DAE or its

Constituent Units and Relationship Name of Relative Relationship Unit in which employed Post Held

8. Educational/Technical Qualifications beginning with SSC:							
Examination Passed Subjects Board / Year of Percentage Passing Of marks					Class Obtained		

19. Experience particulars of previous and present employment

are	to be furn	ished					
Post held		Pe	Name of		Nature of	Reasons	
		From	То	employer with full		duties / work	for
				addr	ess	WOIK	leaving
20.	Are you ir	receipt o	f any Pensi	on,			
gratuity or employer's share of							
contribution of Provident Fund							
from the Central / State Govt.							
or any Public Sector undertaking?			ng?				
If so, please give particulars thereof		ereof.					
21.	Full posta	l address	of a District	level			

Government Hospital nearest to

vour Place of residence

DECLARATION

- 1. I hereby declare that the above information is factually correct to the best of my knowledge and belief.
- 2. I am aware that my application is liable to be rejected if the information given is incomplete or found to be incorrect.
- 3. I understand that in the event of any information being found false or incorrect at any stage or not satisfying the eligibility conditions according to the requirements mentioned in the advertisement, my candidature / appointment is liable to be cancelled/terminated.
- 4. I undertake to abide by all the conditions specified in the advertisement.

Place: Date:

Check list for candidates

(put a tick ($\sqrt{\ }$) in the applicable box 1. Application duly completed

	and signed.	
2.	Photograph affixed and one	
	extra photo attached	
3.	Date of Birth certificate	
4.	Caste Certificate	
5.	Attested Xerox copies of	
	educational/technical qualification	
	certificates	
	certificates	
6.	Experience Certificate if any,	
6. 7.		
	Experience Certificate if any,	
	Experience Certificate if any, No objection certificate from	
	Experience Certificate if any, No objection certificate from employer(in case of in-service	

Defence Services (if applicable) 10. Disability Certificate issued by Medical Board

EN 50/54

Signature of the Candidate

Signature of the Candidate

Government of India **Department of Atomic Energy** Raja Ramanna Centre for Advanced Technology

PO: CAT Indore-452013

Special Drive for Recruitment of ST Candidates Only

Advertisement No : RRCAT- 03/2013 Last date for receipt of application 15.04.2013 Applications are invited for Stipendiary Trainees (Category-II) for training in Raja Ramanna

Centre for Advanced Technology, Indore. Total No. of Posts: (ST- 16)

Post Code	Trade	No. of posts	Educational Qualification
II-1	Electronics/ Instrumentation	5	Minimum 60% marks in SSC or HSC with Science & Mathematics PLUS ITI / NCVT certificate in Instrumentation/Electronics/ Fitter/ Electrical.
II-2	Fitter	8	The ITI/NCVT qualification should be either of the following two:
II-3	Electrical	3	1. ITI/NCVT put together of not less than 2 years OR 2. ITI of one year duration Plus one year relevant experience after completion of the course.

Note:

- Those candidates who have passed B.Sc./ Diploma in Engineering/ AMIE/Degree in Engineering/equivalent or are appearing for B.Sc./Diploma in Engineering/ AMIE/Degree in Engineering/equivalent (final year) will not be considered and hence need not apply.
- ITI certificate should be from Government recognized institution. Age Limit:
- 18 years (minimum) and 22 years (maximum) as on 15.04.2013 (The person applying should not be born before 16.04.1991 and not after 16.04.1995)

The upper age prescribed above is relaxable up to a maximum of 5 years. In addition to the above, the following age relaxation is also applicable: Relaxation of the upper age limit of five years shall be admissible to children/fam-

- ily members of those who died in the 1984 riots. Proof to the effect that they have been affected by 1984 riots should be furnished. For persons with disabilities: Up to a maximum of fifteen years.
- Relaxation in the upper age limit of 5 years shall be admissible to all persons who had ordinarily been domiciled in Kashmir division of the state of Jammu & Kashmir during the period from 1st day of January 1980 to 31st day of December, 1989 provided that the relaxation in the upper age limit for appearing at any examination shall be subject to the maximum number of chances permissible under the relevant rules Certificate regarding proof of residence -

Any person intending to avail of this relaxation of age limit admissible under Rule 3 of Central

Civil Services and Civil Posts (Upper Age Limit for Direct Recruitment) Rules, 1998, shall submit a certificate from: the District Magistrate in the Kashmir division within whose jurisdiction he had ordinarily resided:

any other authority designated in this behalf by the government of Jammu & Kashmir to

the effect that he had ordinarily been domiciled in the Kashmir division of the state of

Jammu & Kashmir during the period from the 1st day of January, 1980 to the 31st day

of December, 1989 (a). Total duration of Training: Two years

purchase of approved books pertaining to their training course.

(b). Stipend during Training: Rs.6,200/- per month for 1st year

Rs.7,200/- per month for 2nd year In addition to above, trainees will be entitled for a one time book allowance of Rs.1,500/- for

(c). Accommodation:

Sharing accommodation will be provided by RRCAT to the trainees in RRCAT Colony on payment of prescribed license fee as approved by the Department, subject to availabilitv of accommodation.

- 3. Before applying, the candidate should ensure that he/she fulfills all the eligibility conditions mentioned in advertisement. The candidate would be admitted to various stages of the recruitment process based on the information furnished by the candidate in his/her application. Only a summary scrutiny of the application would be made before the final stage of the recruitment process and detailed scrutiny of the eligibility of the candidate would be done only at the final stage of the recruitment process. As such, the candidature of the applicant shall remain provisional till detailed scrutiny is undertaken and the candidate is found eligible in all respect. RRCAT would be at liberty to reject any application at any stage of the recruitment process if the candidate is found ineligible for the post. The decision of RRCAT shall be final in deciding the eligibility of the candidate. The mere fact that a call letter has been issued to the candidate and allowed to appear in a written test/interview will not imply that his/her candidature has been finally cleared or that entries made by the candidate in his/her application have been accepted as true and correct. 4. Written Examination:
- Written examination of one-hour duration will be conducted and will comprise of objective

type questions. Candidates should come prepared to stay in Indore for the written test/interview for minimum two days. No accommodation will be provided for these two days to the candidates coming for written examination and interview. The syllabus for the said examination will be based on subjects at SSC/HSC/ITI level. Those candidates qualifying in the written examination shall be short-listed for interview on the same or following day. Final selection and ranking will be on the basis of the performance of the candidates in inter-

view. No weightage will be given for marks scored in the written examination. The decision of this Centre in this regard will be final. 5. Scope of Training: Selected candidates will be given training in the Centre in various aspects of relevant trades,

as per prescribed syllabi of each trade and for meeting the stringent requirements of this Centre. The candidates will not have choice/option for any particular training programme/training place. The candidates may be required to work in round-the-clock shifts, including night shift, dur-

ing the period of training. 6. Grade after successful completion of Training: Upon successful completion of training, the trainees will be considered for absorption in one

of the following grades depending on their performance during the period of training and interview to be held at the end of the training. Based on the performance during training, additional increments may be given on absorption. Pay scale and total Emoluments at the existing rates is as under:

Grade Pay Initial Pay in Total emoluments

F051	Pay Ballu	Grade Pay	Pay Band	(approx.)			
Technician/C	Rs.5,200- 20,200 PB-1	Rs.2,400/-	Rs.7,510/-	Rs. 19700/-			
Technician/B	Rs.5,200-20,200 PB-1	Rs.2,000/-	Rs.6,460/-	Rs.16930/-			
7. Execution of Bond:							

Selected candidates will have to execute a bond to complete the training and serve RRCAT, Indore or any of the Constituent Units of Department of Atomic Energy (DAE), if offered appointment after the training, for a period of 3 years after such appointment. A trainee who fails to complete the training or serve the Government for 3 years, if offered appointment, will

be liable to pay to the Government a sum equivalent to entire aggregate amount of stipend received by him/her during the period of training along with interest thereon as per Government Rules.

8. How to apply:

- Application should be submitted in the proforma given herewith. Candidates, who wish to apply on-line, may kindly see the website http://www.rrcat.gov.in. Submission of on-line applications will close one week prior to the last date for receipt of application.
- Candidates applying on-line must send signed copy of application (produced using the on-line software) along with copies of relevant certificates to the

address mentioned. This hard copy of application must reach on or before last

- Application should preferably be typewritten on A4 size paper.
- The application and the outer cover should be superscribed as "Application for the Post (iii) of Category II against Advertisement No. RRCAT-3/2013"
- Only one application should be submitted for one post. If a candidate wishes to apply for more than one post, separate application should be submitted for each post.
- Candidates are advised in their own interest to send the application by Speed Post/ Registered Post.
- (vi) One extra photograph to be sent with the application.
- **COPIES OF CERTIFICATES** Candidates should submit along with their application attested SINGLE COPY of:

date for receipt of application.

- Certificates pertaining to educational qualifications/experience and technical/professional qualifications (supported by appropriate marksheets indicating the subjects offered at the examinations).
- Certificate of date of birth (Class 10th or 12th marksheet or certificate).
- The candidates should submit ST caste certificates in the prescribed proforma applicable to Central Government Employment.
- Disability certificate from the appropriate authority regarding physical disability (applicable to persons with disability).

IMPORTANT REQUIREMENT OF DISABILITY CERTIFICATE 10. According to the Persons with Disabilities (Equal Opportunities, Protection of Rights and

- Full Participation) Rules, 1996 notified on 31/12/1996 by the Central Government in exercise of the powers conferred by sub-section (1) and (2) of Section 73 of the Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995 (1 of 1996), a disability certificate shall be issued by a Medical Board duly constituted by the Central or a State Government. The Central/State Government may constitute a Medical Board consisting of at least three members, out of which, at least, one member shall be a specialist from the relevant field.
- The certificate would be valid for a period of 5 years for those whose disability is temporary. The Medical Board shall indicate the period of validity of the certificate where there are chances of variation in the degree of disability. For those who acquired permanent disability, the validity can be shown as Permanent. On representation by the applicant, the Medical Board may review its decision having regard to all the facts and circumstances of the case and pass such orders in the matter as it thinks fit.

- The candidates called for written test/interview will be paid Travelling Allowance as per rules. However, Travelling Allowance is not admissible to those ST candidates who are already in service in Central/State Government services, Central/State Government Corporation, Public Sector Undertakings, Local Government Institutions and Panchayats. Candidates selected against this advertisement will be trained at RRCAT, Indore. Upon
- successful completion of training, they are likely to be posted at RRCAT, Indore but are liable to serve in any part of India and in any constituent unit of the Department of Atomic The vacancies shown above are provisional and subject to variation. The filling up of
- vacancies indicated in the advertisement is also subject to the approval of Competent Authority and may not be filled up if decided otherwise in terms of the orders issued by Government from time to time. The nature of duties to be performed by the above categories of employees will involve

working in round-the-clock shift duties (including night shift), in operational plants and

- areas. Persons who are appointed against the above posts, will be covered under the New Contributory Pension Scheme as notified by the Government of India, Ministry of Finance, Department of Expenditure vide Notification No. F.No.S/7/2003-ECB & PR dated 22.12.2003.
- Persons working under the Central/State Govt/Public Sector Undertakings should submit their applications through proper channel. They may, however, send an advance copy of the application along with enclosures as detailed above to the address given below. They may also bring "No Objection Certificate" from their employer at the time of interview
- Completed applications duly signed by the candidate should be sent to the following address Administrative Officer - III

RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY DEPARTMENT OF ATOMIC ENERGY, PO: CAT, INDORE - 452 013 h) The last date for receipt of application is 15.04.2013

Important Note: Application which are not in conformity with the requirements indicated in the advertisement eg. application which are not in the prescribed form, not accompanied by the attested

xerox/photo copies of certificates, passport size self attested photograph (2 Nos.) etc. are liable to be rejected. Mere fulfilling of requirements by itself as laid down in the advertisement does not qualify a candidate for interview. Where the number of application received in response to the advertisement is large, and where it is not practicable for the Centre to interview all the candidates, the Centre may restrict the number of candidates for the interview to a reasonable limit on the basis of percentage of marks and longer experience. No correspondence will be entertained in this regard 'GOVERNMENT STRIVES TO HAVE A WORKFORCE WHICH REFLECTS GENDER BALANCE AND WOMEN CANDIDATES ARE ENCOURAGED TO APPLY"

WARNING: CANVASSING IN ANY FORM SHALL BE A DISQUALIFICATION RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY, INDORE APPLICATION FORM For office use only

Application No. Special Drive for Recruitment of ST Candidates only

(In block Letters)

LAST DATE OF RECEIPT OF APPLICATION: 15.04.2013 Put 'X' in the appropriate box

RRCAT - 03/2013 1. Advertisement No.

2. Post Code for the post applied :

3. Application for ST CAT-II: (Name of the Trade) 4. Name

Continued on page 13

Affix Passport

size

Photograph

duly signed by

candidate

(An Institute Established by MHRD Govt. of India) **Dumna Airport Road, PO:**

Khamaria, Jabalpur-482005 (MP) INDIA **Advertisement for Faculty**

Positions Advertisement No. 1/2013

Institute Indian Information Technology, Design and Manufacturing Jabalpur, one of the premier technical institutes of the country, established by Ministry of Human Resource Development Government of India invites applications from well qualified and strongly motivated candidates for faculty positions at the level of Professor/ Professor/Associate Assistant Professor in Computer Science and Engineering Communication Electronics & Engineering, Mechanical Engineering, Mathematics, Design Physics and Associate/ Assistant Professor in English Language/ Literature. For details on the basic qualifications, experience other related information including reservation policy, please refer to the Institute website. www.iiitdmj.ac.in. email: facapp@iiitdmj.ac.in Last date for submission of completed application forms **02-04-2013**

Government of India

Director

Ministry of **Agriculture** Department of Agriculture &

davp 21263/11/0004/1213

Cooperation Corrigendum

The last date for receipt of applications for the post of Joint Director (Extension). Directorate Extension, whose advertisement was published in the Employment News, dated 1st - 7th December, 2012 (Advt. No. EN 35/2) stands extended. Applications for this post, complete in all respects. (alongwith photo copies of ACRs/APARs of last five years i.e. from 2007-2008 to 2011-2012 duly attested on each page by an officer not below the rank of an Under Secretary to the Government of India, Vigilance Clearance Certificate, Integrity Certificate, Major/Minor Penalty Statement during last ten years) can now be sent within 15 days

News/Rojgar Samachar. Full details of the vacancy are available on this Department's website (www.agricoop.nic.in). Candidates who have already applied should

submit remaining documents, if

from the date of publication of this

corrigendum in the Employment

any, within the extended time limit. EN 50/30



Sardar Swaran Singh National Institute of

Renewable Energy (An Autonomous Institution

of More

Govt. of India)

Advt. No. 107/4/2011-NIRE Recruitment for JRF/SRF/PDI

Applications are invited for positions. JRF/SRF/PDF Candidates having zeal, motivation and experience in Chemical Mechanical / Agriculture / Civil / Biochemical / Energy / Environmental Engineering & Allied Science., etc may apply within 21 days to the Director, Sardar Swaran Singh National Institute of Renewable Energy (SSS-NIRE), 12-KM Stone, Jalandhar-Kapurthala Road, Wadala Kalan, Kapurthala-144601. The detailed guidelines, proforma and advertisement can be downloaded from

www.nire.res.in or www.mnre.gov.in

Director

EN 50/48

SAHA INSTITUTE OF NUCLEAR PHYSICS

(Aided Institute under Department of Atomic Energy, Govt. of India) Sector-1, Block-AF, Bidhannagar, Kolkata-700 064 Phone: 2337-5345-49 (5 lines), Fax: 0091-33-2337-4637, Website: www.saha.ac.in

- Technician 'C' (1) post (ST)

: Pay Band (PB-3) Rs. 15600-39100 + Grade Pay Rs. 6,600/-

- Scientific Assistant 'B' (1) post (ST)

- Scientific Assistant 'B' (1) post (SC)

Recruitment in various Technical posts under Special Recruitment Drive (2nd attempt)

Applications are invited from eligible Indian Nationals for filling up the following permanent posts of various Divisions/Sections of this Institute on direct recruitment basis. D.A., H.R.A., Transport Allowance etc. as admissible to Central Govt. employees under the rules in force from time to time will be admissible. The details of the posts are as under: - Scientific Assistant 'B' (1) post (SC)

- **Experimental Condensed Matter** Physics Division
 - Structural Genomics Division
- 3. Electron Microscope Facility

A.1. Essential Qualifications

- 4. Library
- Technician 'B' (1) post (ST) 5. Building Maintenance (Civil) Section - Engineer 'D' (1) post (OBC) Scientific Assistant 'B' (1) post (ST)
- 6. Building Maintenance (Elect.) Section Engineer 'D' (1) post (OBC) Scientific Assistant 'B' (2) posts (1-SC, 1-ST)

Scale of Pay 1. Engineer 'D'

Pay Band (PB-1) Rs. 5200-20200 + Grade Pay Rs. 2,400/-3. Technician 'C' 4. Technician 'B' Pay Band (PB-1) Rs. 5200-20200 + Grade Pay Rs. 2,000/-**Eligibility Conditions:**

2. Scientific Assistant 'B': Pay Band (PB-2) Rs. 9300-34800 + Grade Pay Rs. 4,200/-

or M.Tech. with 5 years' post qualification experience. Scientific Assistant 'B' - B. Sc. with minimum 60% marks or B.Sc. (Hons.) with minimum 55% marks.

Engineer 'D' - 1st class B. E./B. Tech. with 7 years' post qualification experience

For B. M. (Civil)/(Electrical) Section - Diploma/Licentiate in Civil/Electrical Eng. (3 years after secondary) with 6 years' post qualification experience. Technician 'C' - 8 years post qualification experience (ITI certificates based on a curriculum of one year duration), OR 7 years post qualification experience (ITI certificates based on a curriculum of two years duration). Technician 'B' - 3 years post qualification experience (ITI certificates based on a curriculum of one year duration), OR 2 years post qualification

experience (ITI certificates based on a curriculum of two years duration). For Library - Higher Secondary (at least 50% marks with science & mathematics) or Secondary (at least 60% marks) with 5 years' post qualification experience.

<u>Desirable Qualification/Experience</u>:

Experimental Condensed Matter Physics Division -Scientific Assistant 'B' (1) post

Desirable qualification/experience: Diploma in Engineering/Technology. Minimum 3 years working experience in cryogenic/refrigeration system and working knowledge of computers. Operation and maintenance work on shift duty in a liquid nitrogen and liquid helium plant. Technician 'C' (1) post

Desirable qualification/experience: Working experience preferably in cryogenic/refrigeration systems. Operation and maintenance work on shift duty in the cryogenic plant room. **Structural Genomics Division:**

Scientific Assistant 'B' (1) post Desirable qualification/experience: B. Sc. (Hons.) in Physics/ Electronics. Candidates with 1-2 years of suitable technical experience.

Electron Microscope Facility: Scientific Assistant 'B' (1) post

Desirable qualification/experience: Minimum 3 years working experience with Electron Microscope and have sound knowledge of

Library:

Technician 'B' (1) post **<u>Desirable qualification/experience</u>**: Knowledge of using computer.

Building Maintenance (Civil) Section:

Engineer 'D' (1) post Desirable qualification/experience: B. E. (Civil) with minimum 1st class

from a recognized University. Out of essential experience of 7 years, at least 4 years' experience in design, estimate & execution of large construction projects of both RCC/Steel structures comprising of office/ laboratories/residential complexes, Roads, Public Health etc. Should have knowledge of engineering software, and conversant with project planning. Scientific Assistant 'B' (1) post

Desirable qualification/experience: Diploma in Civil Engineering with 4 years' experience of supervision of civil works related to RCC & Steel Structure, preparation of schedule of work and working drawing tender & estimate related to maintenance of office, laboratory building, housing, sanitary & PH works, Road works etc. should have knowledge in AutoCAD

Building Maintenance (Electrical) Section:

Engineer 'D' (1) post

Desirable qualification/experience: Out of essential experience of 7 vears minimum 4 years experience but not more than 8 year in power distribution and designing.

Scientific Assistant 'B' (1) post for AC Maintenance (Reserved for SC candidates) Desirable qualification: Diploma in Electrical Engineering/Mechanical

Engineering (3 years after S. S. C.) with minimum of 4 years experience in air conditioning systems and an exposure to electronic controls would be an added qualification. (iii) Scientific Assistant 'B' (1) post (Reserved for ST candidates) Desirable qualification: Minimum 4 years of relevant experience in

be an added qualification. Age Limit: Between 18 and 27 years for Technician 'C'/'B' and 32 years for Engineer 'D'/Scientific Assistant 'B' . Age relaxation as per Govt. rules. **Note**: The crucial date for determining the age limit shall be the last date of

receiving the application i.e. 15th April, 2013. The qualification etc. will

also be reckoned on the same date. **General Information:**

- Applicants working in Govt./Semi Govt./Public Sector Undertaking should apply through proper channel with a certificate of Vigilance Clearance.
- Attested photo copies of documents in respect of qualification. experience and caste certificate/ex-serviceman (for reserved categories only) of the candidate must be submitted.

- The prescribed qualification is the minimum and mere fulfilling the essential and desirable qualification will not entitle an applicant to be called for test/interview. The Institute reserves the right to restrict the number of candidates for test/interview to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the
 - A written/trade test may also be conducted before the interview.
- Competent authority may relax the age or qualification in deserving V) cases. vi)
- Outstation candidates of reserved category called for the interview/ test will be entitled for reimbursement of sleeper class fare by rail, if otherwise
- No correspondence will be entertained with candidates not selected for interview/test/appointment. Candidates appointed will be governed by the New Contributory
- Pension Scheme introduced w.e.f. 01.01.2004. Any subsequent amendments/modifications etc. on this matter will be notified in the Institute website only which may be referred by the interested candidates continuously.
- Reservation for persons with disabilities (PWD) will be as per Govt. orders in voque.

Application fee of Rs. 100/- (Rupees one hundred) only should be submitted in the form of demand draft in favour of Registrar, Saha Institute of Nuclear Physics payable at Kolkata. SC/ST/PWD/Female candidates will not be required to submit any fees.

No interim queries will be entertained.

Candidates applying for more than one post should apply separately.

Application giving full details for the post along with the attested copies of relevant certificates/testimonials in the following format with a recent passport size photograph pasted on the right hand top corner of the application should reach the Registrar at the above address within 4.00 p .m. on or before 15th April, 2013 duly superscribed as "Application for the post of....." mentioning the category viz. SC/ST/ OBC. **PROFORMA**

CURRICULUM VITAE (To be furnished in duplicate)

Paste self

attested

photograph

Name of the applicant (in block letters)

04. Father's/Guardian's name Date of birth (in Christian Era)

06. Permanent address

Address for correspondence (with e-mail & Mobile No.)

01. Advt. No. / Item No.

Post applied for

08. Nationality

09. Religion 10. Gender

Marital status

Place of birth and state

Whether belonging to SC/ST/OBC/Ex-Servicemen Educational Qualifications (Matric onwards)

(Attested photocopies of certificates to be enclosed)

Division/ **Duration** Exam Year of Board/ Subject of **Passing** University Passed/ Grade% of the Degree Specialisation of Marks DegreeTrg. Diploma

Other Qualifications/Training (Photocopies of certificates to be enclosed) Details of Employment in chronological order, (including the present

post held) starting from initial appointment.

	Date of Declaration of EQ (Indicate day, month, year).:										
s	No.	Office/Orgn. with address & Telephone	held			То		Total Perio	od	Scale of Pay & Basic Pay (Pre-	Nature of duties
t		No.								revised/revised)	
э							Years	Months	Days		
/											

17. Additional information, if any, in support of your suitability for the post.

Do you claim Age relaxation (if yes, mention under which categories).

Details of fees submitted

DECLARATION

I do hereby declare that the particulars furnished above by me are correct to the best of my knowledge and belief. I further undertake that I shall not withdraw my candidature for the post applied for.

Place		:	
Date	:		

(Signature of the applicant)

Details of enclosures:

electrical distribution system and an exposure of power electronics would

integrity of the officer.

To be certified by the Cadre Controlling Authority/Employer Certified that the particulars furnished by the officer are correct as per the records held in this office and no disciplinary/vigilance case is pending/ contemplated against the officer and that no major/minor penalty has been awarded to him during the past 10 years and there is no doubt about the

> (Name, Signature & Seal of the Cadre Controlling Authority/Employer)

No.	:	
Date	:	

Registrar

п		
	Date	
	No SI	

.SINP/Estt/Advt./02/2013

EN 50/56

EN 50/25



NATIONAL POWER TRAINING INSTITUTE

An ISO 9001 & ISO 14001 Organization (Ministry of Power, Govt. of India)

Website: http://www.nptinagpur.com / www.npti.in

ADMISSION NOTICE FOR PGDC COMMON ENTRANCE TEST (PGDC-CET) 2013

POST GRADUATE DIPLOMA COURSE (PGDC) IN THERMAL POWER PLANT ENGINEERING (2013-14)

(Covers the Mandatory requirements under Indian Electricity Rules)

WHYSHOULD YOU JOIN? The main aim payable at Nagpur must be ready at the time of the course is to develop a pool of technically trained manpower readily available for recruitment to the Indian Power Sector. Besides, the course shall enhance the knowledge and skills of the Engineers sponsored by the Power Utilities etc.

ABOUT THE COURSE: This is a modular course of one-year duration. Formal training is held at Regional Institutes of NPTI Located at 1. Badarpur (New Delhi) 2. Nangal (Punjab) 3. Neyveli (TN) 4. Durgapur (WB) Guwahati (Assam) and 6. Nagpur (Maharashtra). On-job training is conducted at the nearby Thermal Power Stations and on state-of-the-art Simulators at NPTI Faridabad/ Badarpur /Nagpur The course covers the syllabus as per Indian Electricity Rules.

ELIGIBILITY: B.Tech / B.E. in Mechanical, Electrical Engineering or its equivalent. Those appearing in their final year examination can also apply. However, they must submit their degree/provisional degree certificate at the time of counseling. **SELECTION CRITERIA FOR ADMISSION:** Merit based on Common Entrance Test (CET) result followed by counseling at NPTI Nagpur. CET will be held on 23/06/2013 at 8 cities; Faridabad, Badarpur (New Delhi), Nagpur, Durgapur, Neyveli, Bangalore, Guwahati and Nangal.

AGE LIMIT: For non-sponsored candidates the age limit as on 1/07/2013 is 27 years. Age relaxation in case of reserved category candidates is as per G.O.I. norms. No age limit for the sponsored candidates.

TOTAL SEATS: 340. Reservation of seats for SC/ ST/ OBC/ Physically challenged as per Govt. of India norms. 25% seats are reserved for candidates sponsored from Power Utilities having more than one year experience as on 1st July 2013 and more than 60% marks in Mechanical or Electrical Engineering Degree. The ratio of Mechanical and Electrical Engineering Candidates will be 60:40. The seat allocation of the Institutes is shown below -

Badarpur — 65 Nangal — 40 Neyveli – 65 Durgapur — 65 Guwahati — 40 Nagpur — 65

Total No. of seats may vary as per requirement. Vacant seats in sponsored category may be filled by non sponsored category and vice-versa if required.

PLACEMENT: To provide career opportunities in the Indian Power Sector, NPTI is maintaining close linkages with Power Utilities and reputed companies for employment of the trained engineers. Most of the students are placed in reputed Power Sector Companies before the completion of the course.

HOW TO APPLY: Applications are to be filled online with details of Demand Draft for the prescribed registration fees of $\underline{\text{Rs.900/-}}$ (including service tax) in favour of "NPTI Nagpur",

of registration and soft copy of recent passport size photograph. The other details are available on our Website http://www.npticet.com.

Each applicant will be given a unique ID on successful registration at site (online). This ID must be preserved for future reference. On registration the hard copy of application with the Demand Draft should be sent to The Principal Director, National Power Training Institute (WR), south Ambazari Road, Gopal Nagar, Nagpur-440 022 latest by 03/05/2013. The registration shall be confirmed only after the receipt of the hard copy of application with Demand Draft.

COURSE FEE: For non-sponsored candidates Rs.2, 00,000 + Service Tax @12.36%). For candidates sponsored from PSUs / Private Utilities Rs.3, 10,000/- + Service Tax @12.36%. There is no fee concession for any category of candidates

COURSE FEE FOR FOREIGNNATIONALS: SAARC Countries: US\$13,000 + Service Tax @12.36%

Other Countries: US\$ 15,000 + Service Tax@12.36%

The cost of Transportation to Industries/Power Stations is to be borne by the participants.

LODGING/BOARDING: Hostel Facility is available at all the Institutes and provided on first come first served basis, subject to availability on extra charges. Separate hostel for girl candidates.

IMPORTANT DATES

1. Online registration 01/04/13 to 20/04/13

Last date of receipt of hard copy of application

along with Demand Draft 03/05/2013

Date & Time of PGDC CET- 2013 - 23/06/2013(Sunday)

1100 to 1330 Hrs 4. Date of declaration of result

on our Website

. Dates of Counseling at Nagpur 29/07/13 to 01/08/13 (4 days)

. Commencement of Course 19/08/2013 Joining Period 19/08/2013 to 22/08/2013

B. Date of display of status of

choice for change of Institute (if available) 28/08/2013

Date of Second Counseling

(if required) 02/09/2013

Note: All Instructions for filling on-line Application form, Notifications, Prospectus or any further information to the candidates regarding the PGDC-CET-2013 shall be displayed on our website www.npticet.com.

FOR ANY INFORMATION

Contact No.: 0712-2236545/2231478/ 2235098, Fax No. 0712-2220413

Website: www.npticet.com

FOUR DECADES OF SERVICE TO THE POWER SECTOR

EN 50/75



Admission to Joint MTech/MCP-PhD Programme for the Academic Year 2013-2014 **IIT KHARAGPUR**

Applications are invited for admission to Joint MTech/MCP-PhD Programme for the academic year 2013-2014 at IIT Kharagpur. Online Application Form submission through Website: http://gate.iitkgp.ac.in/mtech starts on March 18, 2013 and closes on April 12, 2013. The hard copy of completed Application Form along with necessary enclosures must be sent by Speed Post so as to reach The Chairman, GATE, IIT Kharagpur, Kharagpur 721 302, West Bengal, by April 19, 2013.

Chairman, Postgraduate Admissions Committee 2013



KONKAN RAILWAY CORPORATION LTD.

(A Government of India Undertaking)

Corporate Office: Belapur Bhavan, Sector 11,

NOTIFICATION NO.CO/P-R/04/2013

The Corporation invites applications from regular employees working in Railways for ppointment on Immediate Absorption basis against the regular posts in Konkan Railway Corporation Limited.

Sr. No.	Category	Pay scale as	No. of Post	Upper Age limit as on	Eligibility Criteria for Immediate Absorption		
		CDA	IDA		01.07.2013	Holding CDA Pay Band+ Grade Pay in Parent Cadre	
01	Dy. Chief Safety Officer	PB4, ₹ 37400 – 67000 with GP ₹ 8700/- in CDA OR PB-3 ₹ 15600 – 39100 with GP ₹ 7600/- as per suitability	E6 (36600-62000) OR E5 (32900-58000) as per suitability	01	55 years	PB-3 ₹15600 – 39100 with GP ₹ 7600/- OR PB-3 ₹15600 – 39100 with GP ₹ 6600/-	

The shortlisted eligible candidates may be required to undergo Personal Interview and followed by Medical examination as per Railways standards before being employed in Konkan Railway Corporation Limited. Candidates should ensure that they see the Instructions, eligibility and other details of

the notification on www.konkanrailway.com under the link Departments → Human Resources→Recruitment→Notification. Applications in prescribed format as given at the above link and completed in all respects along with enclosures and clearly mentioning the above Notification No. and Post applied for should reach this Office at Belapur Bhavan, Plot No. 6, Sec-11, CBD Belapur, Navi Mumbai 400614 on or before 17:30 hrs. of 28.03.2013. Incomplete Application forms or the applications not accompanied by the required documents will be rejected and no correspondence on the same shall be entertained.

Place : Belapur

Date: 19.02.2013

Chief Personnel Officer EN 50/55

ADMISSIONS 2013

For Full Time Degree Programmes

25 Years of Excellence

NO. 1 INSTITUTE IN RETAIL MANAGEMENT*

PROGRAMMES OFFERED

MASTERS DEGREE PROGRAMMES

- Fashion Merchandising & Retail Management
- Footwear Design & Production Management
- Creative Design & CAD/CAM

BACHELORS DEGREE PROGRAMMES

- Fashion Design
- Footwear Design & Production Management
- Leather Goods & Accessories Design

INTEGRATED PROGRAMMES

- Business Management
- Retail Management

SALIENT FEATURES

- Fully Wi-Fi Campuses with air-conditioned classrooms & labs
- Multi- dimensional, industry interaction modules
- · Internationally renowned faculty and designers

FOREIGN COLLABORATION

- ARS Sutoria, Italy
 LDT Nagold, Germany
- S.C.A.M., Italy
 PFI, Germany
 SATRA, UK
- TBU, Zlin, Czech Republic

100% Placement Record - With Leading Corporates in India & Abroad

MAJOR EMPLOYERS

Tata • Reliance • Bharti Retail • Pantaloon • Wills Lifestyle • Carlton London • Louis Vuitton • Bata • Zara • Calvin Klein • FCUK

Prospectus can be obtained from FDDI Campuses and select branches of Axis Bank across India on payment of Rs. 500/-The prospectus can also be downloaded from our website: www.fddiindia.com.

CAMPUS: • NOIDA • RAE BARELI • CHENNAI • ROHTAK • CHHINDWARA • KOLKATA • JODHPUR • GUNA

FOOTWEAR DESIGN & DEVELOPMENT INSTITUTE

(Ministry of Commerce & Industry, Govt. of India)

- NOIDA: A-10/A, Sector-24, Noida. Ph: 0120-4500152, 9310957007, 9718991359, 1800-180-3668 (Toll Free) • RAE BARELI: 07275013075 & 08004316733 • CHENNAI: 09003025470 & 09884735740 • JODHPUR: 08947920211
- KOLKATA: 033-64992116, 09051761598
 ROHTAK: 09896100083
 CHHINDWARA: 08889938018, 08965905025
- GUNA: 9718991359 Fax: 0120-2412556, 2411301, E-mail: admission@fddiindia.com, Website: www.fddiindia.com



INDIAN INSTITUTE OF TECHNOLOGY INDORE

Advt. No.: IITI/Estt./NT Rect/CE & SE/Admin/JAN2013

NON-TEACHING RECRUITMENT

IIT INDORE invites applications in prescribed forms from outstanding highly motivated Indian nationals (those of Indian origin) for following positions:

S.No	Name of the Post	Emoluments	posts	Position
1	Chief Engineer (Project)	(₹ 37,400-67,000) + Grade Pay of ₹ 10,000/-	1	On Deputation/ Contract basis
2	Superintendent Engineer	(₹ 37,400-67,000) + Grade Pay of ₹ 8,700/-	1	Permanent

The detail requirements in terms of qualification and experience is available on the institute website www.iiti.ac.in. The last date for submission of application forms is 21.03.2013

REGISTRAR



P(16-1)

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

Powai, Mumbai - 400 076.

ADVERTISEMENT NO: H - 67/P(16)12-13

Want to contribute to cutting edge research? Positions of Senior Research Fellow (SRF), Research Associate (RA), Post-Doc Research Associate (PDRA) are available in the following projects.

Job Code | Project Name, Number of Posts, Eligibility & Consolidated Salary **Chemical Engineering**

S.G./Noise propagation and distribution among enzymatic cascades

SRF: (1 Post) Eligibility: M.Sc Bioinformatics Salary: Consolidated salary ₹ 14000/- p.m.

Salary: Consolidated salary ₹ 22000/-

Job Profile: Construction and analysis of tumor necrosis factor alpha signaling network

Humanities & Social Sciences

P(16-2) Behavioural and neural studies of auditory processing in dyslexia RA: (1 Post) Eligibility: M.A/ in Cognitive/Clinical Psychology M.Sc in Neuroscience/Life Science Experience: Knowledge of EEG Machine, Eprime and BESA (Optional)

Job Profile: Handling EEG Biosemi system, data recording and analysis. P(16-3) Developing automated text-image alignment of Sanskrit Manuscripts

PDRA: (2 Post) Eligibility: Doctoral degree specializing in Sanskrit grammar (vyakarana) or Indic epigraphy, advanced training in Sanskrit, and experience working with Sanskrit manuscript cataloging experience, expertise in XML, competence in the text-encoding initiative (TEI) standards and HTML. Salary: Consolidated salary ₹25000/- p.m.

The positions are temporary initially for a period of one year and tenable only for the duration of project. The selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview. Our Website http://www.ircc.iitb.ac.in/IRCC-Webpage/rnd/JobOpportunities.jsp Last Date of the receipt of the application is 29th March, 2013. Candidate should apply online at http://www.ircc.iitb.ac.in/IRCC-Webpage/rnd/HRMSLoginPage.jsp, if there is any

problem applying online, send in the prescribed Application Form available at http://www.ircc.iitb.ac.in/IRCC-Webpage/rnd/PDF/Application_online.pdf. Candidates can apply for multiple positions with separate Application Form for each position. The postal address to send the application is as given below.

Senior Administrative Officer (R & D Office), IRCC Wing, SJMSOM Building, Indian Institute of Technology Bombay, Powai, Mumbai-400076, Phone: 022-2576 4078

(K. Sanjayan)

Ph: 2338 3053 ANNEXURE-I

Under Secretary to the Government of India

Government of India **Ministry of Agriculture**

Department of Agriculture and Cooperation

Subject: Filling up one post of Senior Analyst (O&M) in the Department of Agriculture and Cooperation on Deputation (including Short Term Contract) basis in the scale of pay of Rs. 10000-325-15200 (pre-revised) corresponding to PB 3 Rs. 15600-39100 with Grade Pay Rs.

Applications are invited from eligible and suitable officers for filling up one post of Senior Analyst (O&M) in the Department of Agriculture and Cooperation on Deputation (including Short Term Contract) basis. The post is in the pre-revised scale of pay of Rs. 10000-325-15200 (corresponding to PB 3 Rs. 15600-39100 with Grade Pay Rs. 6600). Details of the post, eligibility conditions etc. is given at Annexure-I. Pay of the officer selected for appointment on deputation basis will be regulated in terms of Department of Personnel and Training's Office Memorandum No. 6/8/2009-

Estt. (Pay II) dated 17th June 2010. 2 Applications of only such officers/candidates will be considered that are routed through proper channel and are accompanied by (i) bio data (in triplicate) as per the proforma (Annexure-II) (ii)

Photocopies of ACRs for the last five years duly attested on each page by an officer not below the rank of Under Secretary (iii) Vigilance Clearance (iv) Integrity Certificate (v) Statement giving details of Major or Minor Penalties imposed on the officer, if any, during the last 10 years and (vi) Cadre Clearance Certificate, in the prescribed format given at Annexure-III.

3 It is, therefore, requested that applications of suitable and eligible officers and who can be spared immediately in the event of selection may be sent directly to the Under Secretary (Pers-II), Department of Agriculture and Cooperation, Krishi Bhawan, New Delhi- 110 001 within a period of 60 days from the date of issue/ publishing of this advertisement. 4 Advance copies of applications or those received after the prescribed closing date or not accompanied by the required certificates/documents are liable to be rejected.

Designation of the post: Senior Analyst (O&M)

comparable training in any other recognized institute.

Number of post: 1 (one) Classification of post: General Central Service, Group 'A' Gazetted Non-Ministerial

Pay Scale: Rs. 10000-325-15200 (pre-revised) corresponding to PB 3 Rs. 15600-39100 with

Grade Pay Rs. 6600. Age limit: Maximum age limit for appointment on Deputation (including short term contract) shall not exceed 56 years as on the closing date of receipt of applications. Eligibility conditions for appointment on Deputation (including short term contract) basis:

Officers of the Central Government, failing which officers from the State Government or public sector undertakings or autonomous or local bodies according to requirement having the follow-

ing qualifications and experience: (i) a Degree of a recognized University or its equivalent

(ii) rendered at least 5 years regular service in posts in the scale of Rs. 8000-275-13500 (prerevised) or 8 years regular service in posts in the scale of Rs. 6500-200-10500 (pre-revised) or (iii) completed successfully or be eligible to undergo the Advanced Management Services Course of the Institute of Secretariat Training and Management, Defence Institute of Work Study or a

Explanation: If an officer has not already undergone the said course is selected, he shall be required to undergo the said course at the earliest and his continued retention in the post shall be subject to the condition that he completes the said course successfully within one year of the date of his appointment OR

(iv) acquired at least 3 years' experience as Junior Analyst (Work Study) in the Central Government offices/ Ministries. Place of posting: New Delhi.

Period of Deputation : Period of deputation (including short term contract in another ex-cadre post held immediately preceding this appointment in the same or some other organization/ Department of the Central Government) shall ordinarily not exceed 5 years.

Duties and responsibilities attached to the post: Given in the Statement below. **Duties of Senior Analyst**

a) Work measurement studies: monitoring of all activities in the Deptt. of Agriculture & Cooperation: preparing and monitoring of programmes for O&M inspection of various Sections/Unit etc. of the Department of Agriculture & Cooperation and its attached and Sub Offices and also nominate Inspecting Officers for these inspections; enforcing arrears clearance

b) All work relating to Public Grievances Cell and Citizen Charter. c) Implementation of the recommendations of the Right-sizing committee & Expenditure Reforms d) Implementation of Cash Award Scheme of high performance of O&M activities.

drives in the Department which includes recording, indexing and weeding out of old records etc.

Organisational Chart: office lay out; allocation of disputed receipts; monitoring of OTA expendi-

e) Providing material for Annual Report and Performance Budget of the Department etc. f) Work relating to Right to Information Act, 2005

ANNEXURE-II

CURRICULUM VITAE PROFORMA

ture and clarification on office procedure etc.

1. Name and Address (in Block letters):

- 2. Date of Birth (In Christian era):
- 3. Date of retirement under Central/State Government Rules. :
- 4. Educational Qualifications: 5. Whether Educational and other qualifications required for the post are satisfied. (If any qualifi-
- cation has been treated as equivalent to the one prescribed in the rules state the authority for the
- same).: Qualifications/Experience Qualifications/ Experience required possessed by the Officer

Essential (1)(2)(3)Desired (1)(2)

ment of the post.

6. Please state clearly whether in the light of entries made by you above you meet the require-

your signature if the space below is insufficient. Office/Institution

Post Held From To Scale of Pay and Basic Pay Nature of duties (in detail)

7. Details of Employment in chronological order. (Enclose a separate sheet duly authenticated by

8. Nature of present employment i.e. Ad-hoc or Temporary or Quasi-Permanent or Permanent. 9. In case the present employment is held on deputation/contract basis please state:-

- (a) The date of initial appointment
- (b) Period of appointment on deputation/contract
- (c) Name of the parent Office/Organization to which you belong. 10. Additional details about present employment;-
- Please state whether working under (indicate the name of your employer against the relevant
- column.) (a) Central Government
- (b) State Government (c) Autonomous Organization
- (d) Government Undertaking (e) Universities
- (f) Others
- 11. Please state whether you are working in the same Department and are in the feeder grade or feeder to feeder grade. 12. Are you in Revised Scale of pay? If yes, give the date from which the revision took place and
- also indicate the pre-revised scale.

- 13. Total emoluments per month now drawn 14. Additional information, If any, which you would like to mention in support of your suitability for the post. (This among other things may provide information with regard to (i) Additional academic qualifications (ii) professional training and (iii) Work experience over and above prescribed in the Vacancy Circular/Advertisement)

No.A-12015/1/2012-Admn.l

Ministry of Agriculture

Department of Animal Husbandry, Dairying and Fisheries

Krishi Bhavan, New Delhi

The Department of Animal Husbandry, Dairying and Fisheries extend the last date of application for the following posts

S.	Name of the post,	No. of	Method of	Previous reference
No.	classification and scale	vacancy	recruitment	No. and date
1.	Joint Commissioner	02	Deputation	File No. A- 12025/3/2012-
	(Animal Husbandry)		(including short-	Admn.I dated 16.11.2012 &
			term contract)	05.12.2012 and Employment
			basis	News's advertisement dated 17 th
				to 23 rd November, 2012 & 22nd to 28 th December, 2012.
2.	Deputy Commissioner	01	Deputation	File No. A- 12025/6/2011-Admn.
	(Fisheries)		(including short-	dated 16.11.2012 and
	General Central Service,		term contract)	Employment News's
	Group 'A' PB-3 Rs.		basis	advertisement dated 17th to
	15600-39100 +5400 (GP)			23rd November, 2012.
3.	Deputy Director (Aquatic	01	Promotion/	File No. A- 12023/4/2011Admn.
	Quarantine)		Deputation	dated 16.11.2012 and
	General Central Service,		(including short-	Employment News's
	Group 'A' PB-3 Rs.		term contract)	advertisement dated 17th to
	15600-39100 + 6600		basis, (composite	23rd November, 2012.
	(GP)		method)	
4.	Deputy Commissioner	01	Promotion/	File No. A- 12023/5/2011-Admn.
	(Fishing Harbour)		Deputation	dated 16.11.2012 and
	General Central Service,		(including short-	Employment News's
	Group 'A'		term contract)	advertisement dated 17th to
	PB-3 Rs.15600-		basis, (composite	23rd November, 2012.
	39100 + 7600 (GP)		method)	
5.	Assistant Commissioner	04	Deputation	File No. A- 12023/2/2011-
	(Fisheries) General Central		(including short-	Admn.I dated 16.11.2012 and
	Service, Group 'A' PB-3 Rs.		term contract)	Employment News's
	15600-39100 + 6600 (GP)		basis	advertisement dated 17th to
	Assistant Dinastan (Assistia	04	December	23rd November, 2012.
6.	Assistant Director (Aquatic	01	Promotion/	File No. A- 12023/6/2011-Admn.
	Quarantine)		Deputation	dated 16.11.2012 and
	General Central Service,		(including short-	Employment News's
	Group 'A' PB-3 Rs. 15600-39100		term contract)	advertisement dated 17th to
			basis. (composite	23rd November, 2012.
7.	+5400 (GP) Assistant Commissioner	01	method) Promotion/	File No. A-12023/4/2008-
Ι.		UΙ		
	(Fishing Harbour)		Deputation	Admn.I dated 16.11.2012 and
	General Central Service,		(including short-	Employment News's advertisemen
	Group 'A'		term contract)	dated 17th to 23rd November,

Delhi within 60 days from the date of publication of this advertisement. 3. The name of the post applied for should be superscribed in bold letter on the envelope containing the application.

method)

2. For eligibility criteria, i.e. educational qualification, experience, bio-data proforma etc. the

applicants are advised to refer to the official website of this Department http://dahd.nic.in. The

applications for a particular post, complete in all respects, should be forwarded through proper

channel to Shri D. Banerjee, Under Secretary (Admn.), Room No.436-A, Krishi Bhavan, New

basis, (composite

2012.

4. The persons who have already applied, need not apply again.

Under Secretary (Admn.) EN 50/17

Basis. (Officers under Central/State Government are only eligible for "Absorption". Candidates of non-Government Organization are eligible only for Short Term Contract.)

(Note: Enclose a separate sheet, if the space is insufficient).

PB-3 Rs. 15600-39100+

6600 (GP)

16. Whether belongs to SC/ST: 17. Remarks (The candidate may indicate information with regard to (i) Research publication and reports and special projects (ii). Awards/Scholarship/Official Appreciation (iii) Affiliation with the professional bodies/institutions/societies and (iv) any other information.

15. Please state whether you are applying for deputation (ISTC)/Absorption /Re-employment

(Note: Enclose a separate sheet, if the space is insufficient). I have carefully gone through the vacancy circular/advertisement and I am well aware that the Curriculam Vitae duly supported by documents submitted by me will also be assessed by the

Selection Committee at the time of selection for the post. Signature of the Candidate

Countersigned	

(Employer with Seal) **ANNEXURE-III**

No. __ Dated the INTEGRITY CERTIFICATE The records of service of Shri _., a regular _ in the Department of is being considered for appointment to the post of _

Agriculture and Cooperation on deputation basis, have been carefully scrutinized and it is certified that there is no doubt about his integrity. **Employer with Seal**

(to be signed by an Officer not below the rank of Deputy Secretary and equivalent)

	Batoa trio											
	NO PENALTY CERTIFICATE											
•	penalty	has	been	imposed	during	the	last	ten	yea			
r				wh	o is bei	ina c	onsi	dere	d fo			

Certified that no Major/Minor ars on Shri , a regular for appointment to the post of in the Department of Agriculture and Cooperation on deputation basis.

Employer with Seal (to be signed by an Officer of the rank of

Under Secretary and equivalent) Dated the

VIGILANCE CLEARANCE CERTIFICATE Certified that no vigilance case or disciplinary proceeding or criminal proceeding is either pending or contemplated against Shri ____ __, a regular _

in the Department of Agriculture considered for appointment to the post of _ and Cooperation on deputation basis. **Employer with Seal** (to be signed by an Officer of the rank of Under

Secretary and equivalent)

_ who is being



IndianO



(Refineries Division) BARAUNI REFINERY

	(Refineries Division) BARAUNI REFINERY P.O.: Barauni Oil Refinery, Dist. Begusarai 851 114, Bihar. (A GOVT. OF INDIA UNDERTAKING)									
	plications	are invited	from Indian Nationals for the foll	lowing posts:						
SI. No.	Post	Vacancies	Educational Qualification	Experience						
1	Junior Engineering Assistant-IV (Production)/ Trainee	25[UR-14, SC-4, OBC-7]	B.Sc. (Physics, Chemistry & Maths) or 3 year Diploma in Chemical Engineering. Regular Scale of Pay: 55% marks in Aggregate in Physics, Chemistry and Maths during B.Sc or 3 year Diploma in Chemical Engineering with 55% marks. Trainees: 60 % marks in Aggregate in Physics, Chemistry and Maths during B.Sc or 3 year Diploma in Chemical Engineering with 60% marks.	Trainees : No experience for Trainees.						
2	Junior Engineering Assistant-IV (Instrumenta- tion) / Trainee	3 [UR-1, SC-1 OBC-1]	Regular scale of Pay: 3 year Diploma in Instrumentation or Industrial Electronics with minimum 55% marks. [Refer Note3] Trainees: 3 year Diploma in Instrumentation or Industrial Electronics with minimum 60 % marks.	Regular Scale of Pay: Minimum 1 (one) year post qualification experience in Process Control Instrumenta- tion, Control valves, DCS, PLC etc in continuous process units like Refinery / Petro-chemical / Fertilizer / Power. Trainees: No experience for Trainees.						
3	Junior Engineering Assistant-IV (Mechanical)/ Trainee	13[UR-7, SC-1 OBC-5]	Regular Scale of Pay: 3 year Diploma in Mechanical Engineering with minimum 55% marks. Trainees: 3 year Diploma in Mechanical Engineering with minimum 60% marks.	Regular Scale of Pay: Minimum 1 (one) year post qualification experience in mechanical maintenance jobs in Process /Chemical Industries like Refinery / Petro-chemical / Fertilizer / Power. Knowledge o alignment like laser /hot alignment of rotary equipments and maintenance of Centrifugal pumps, Reciprocating pumps / compressors/ Gear box etc is desirable. Trainees: No experience for Trainees.						
4	Junior Quality Control Analyst-IV / Trainee	3 [(UR-2, OBC-1) - Out of the above 3 posts 1 is reserved for PWD-OH category]	Regular Scale of Pay: M.Sc (Chemistry) / B.Sc. Hons. in Chemistry with Physics and Maths as subsidiary subjects (Minimum - 55% marks in the Hons. / Principal subject). Candidates with M.Sc (Chemistry) must have done B.Sc. Hons. in Chemistry with Physics and Maths as subsidiary subjects with minimum 50% marks in the Hons/Principal subject during Graduation. Trainees: M.Sc (Chemistry) / B.Sc. Hons. in Chemistry with Physics and Maths as subsidiary subjects (Minimum - 60% marks in the Hons. / Principal subject). Candidates with M.Sc (Chemistry) must have done B.Sc. Hons. in Chemistry with Physics and Maths as subsidiary subjects with minimum 55% marks in the Hons/Principal subject during Graduation.	Regular Scale of Pay: Minimum one year experience in chemical/ process industry, Govt. or private laboratories/ research institutes/ college laboratory etc. Experience of handling sophisticated instruments like gas chromatograph, spectrophotometer will be desired. Trainees: No experience for Trainees.						
5	Junior Engineering Assistant-IV (P&U)- Turbine / Trainee	7 [UR-4, SC-1 OBC-2]	Regular Scale of Pay: 3 years Diploma in Mechanical or Electrical Engineering with minimum 55% marks. Trainees: 3 years Diploma in Mechanical or Electrical Engineering with minimum 60% marks.	Regular Scale of Pay: One year apprenticeship experience in Boiler operations/ Turbine-cum-auxiliary plant operations in an industrial house under the Apprentices Act, 1961 or Two years work experience in Power & Utilities operation in a power plant having installed capacity of more than 20 MW. Trainees: No experience for Trainees.						
6	Junior Control Room Operator-IV / Trainee and Junior Engineering Assistant-IV (Electrical) / Trainee	5 [UR-2, OBC -3]	Regular Scale of Pay: 3 years Diploma in Electrical Engineering with minimum 55% marks. Trainees: 3 years Diploma in Electrical Engineering with minimum 60% marks.	Regular Scale of Pay: Minimum one year experience in relevant area i.e. electrical maintenance / project jobs in chemical / process industry, power plants, Electricity Boards, manufacturing industries. Trainees: No experience for Trainees.						
7	Junior Engineering Assistant-IV (P&U)-Boiler	2[SC-1, UR-1]	(i) B.Sc (Physics, Chemistry & Mathematics) and IInd Class Boiler Competency Certificate or (ii) Diploma in Mechanical or Electrical Engineering and IInd Class Boiler Competency Certificate.	Minimum one year post qualification experience in Power & Utility operations in a power plant having installed capacity of more than 20 MW.						
8	Junior Materials Assistant-IV/ Trainee	1 (OBC-1) - Only PWD-HH category need apply.	Regular Scale of Pay: 3 years Diploma in Electrical / Mechanical Engineering with minimum 55 % marks. Working knowledge in Computer is required. Trainees: 3 years Diploma in Electrical / Mechanical Engineering with minimum 60% marks. Working knowledge in Computer is required	Regular Scale of Pay: Minimum one year experience in Purchase / commercial area of an industry/ Commercial organisation. Trainees: No experience for Trainees.						

course from NFSC Nagpur+ Valid Heavy

(6 months) "Fireman's Course" from a

recognised Institute + Valid Heavy Vehicle

Physical standard: The candidate should

as under: Height: Not less than 165 cms, Weight: Not less than 50 Kgs., Chest: Norma

(unexpanded) 81 cms & Expanded 86 cms,

Vision: 6/6 preferably without any aid.

meet the following minimum physical standards

Vehicle Driving Licence.

Driving Licence

Matric from a recognised Board + Sub Officer's

Or Matric from a recognised Board + Six month

Regular Scale of Pay:

experience in a Govt. / PSU /

No experience for Trainees

Signature of the Candidate

Signature of the Certifying Officer Name of Certifying Office

Phone No. of Certifying Officer

Designation

(Seal of Office)

Minimum 1 year work

Industrial Fire Service.

Trainees:

Junior

(Fire &

Safety) /

Trainee

Engineering

Assistant-IV

9

2 (UR-1,

SC-1)

Note: 1. Minimum qualifying marks for SC candidates relaxed to pass class. 2. OH candidates with deformity in lower limbs may apply for the post of Jr. Quality Control Analyst. 3. Candidates who have completed Apprenticeship training at Barauni Refinery and who possess the qualification of Diploma ir Electronics and Communication shall also be considered for the post of Junior Engineering Assistant-IV (Instrumentation) / Trainee mentioned at Sr. No

Age Limit (as on 31-07-2013); (a) Regular Scale of Pay: Minimum 18 years and Maximum 26 years. Relaxation by 5 years for SC, 3 years for OBC candidates and for Ex-Servicemen as per rules, Age relaxation by 5 years for candidates domiciled in Jammu & Kashmir between 01-01-1980 and 31-12-1989. #Age relaxation by 10 years for UR, SC & ST candidates and 13 years for OBC candidates shall be allowed to Persons with Disabilities for post at Sr. No. 4, Post at Sr. No. 8 is reserved for OBC, accordingly PWD candidates (HH category) and belonging to OBC category shall be allowed age relaxation up to 13 years. (b) **Trainees: Minimum 18 years and Maximum 24 years** and other age relaxation as mentioned above & applicable to the respective category shall be allowed to candidates

General Instructions: • The prescribed qualification should be as a regular student of a full time course from a recognised Indian University Government recognised Institute. • Diploma in different trades is to be of 3 year duration. In case of institutes offering 2 year Diploma courses in the above mentioned trades, certification of equivalence (to 3 year course) from AICTE is essential, failing which the application is liable to be rejected. Wherever Grades are awarded in the Diploma / Degree examination, its equivalent percentage of marks must be indicated in the application form as per the norms adopted by the University / Institute. • Identity of the Candidate should be certified by an Officer not below the rank of Tehsildar / Sub-Divisional Officer of the candidate's domicile place / native place, Principal / Head Master of the school / college from where the candidate has passed his 10th Standard, Intermediate or Graduation / Diploma along with name, designation and seal of office. Identity of the candidate should be attested by the authorities mentioned hereinabove in the format attached hereto. • Candidates shall be offered appointment in the regular scale of pay against above posts in the pay scale of ? 11900-32000/- (Other benefits like Medical / LTC/ Superannuation Benefit Fund etc. as per rules). The period of experience for the above posts shall be reckoned as on 28-02-2013. Experience must be post qualification. In the first phase, candidates with experience and who meet the eligibility criteria and qualify in the written test shall be called for the Personal Interview. • In case of non-availability of sufficient number of experienced candidates, management may consider engaging 'candidates with no / lesser experience' as Trainee subject to fulfilling the age criteria of maximum 24 years as on 31-07-2013, all other conditions prescribed for the post remaining unchanged. Such candidates shall be put under specific training for a minimum period upto 1 year, which may be extended or reduced and shall be placed on job after assessment of their learning. Candidates with lesser / no experience may accordingly choose to apply. Their candidature may accordingly be considered, if felt necessary. Decision of the management of Barauni Refinery shall be final and binding in this regard". • In the second phase, in case vacancies remain unfilled, such candidates without experience and who qualify in the written test shall be called for Personal interview for the post of Trainees. • Trainees shall be entitled to a monthly consolidated stipend @ ? 11,000/-. Other facilities shall be provided as per rules in this regard. • Upon successful completion of training and/or depending upon the operational requirement, the trainees will be absorbed in regular service of the Corporation in relevant posts in Salary grade - IV in the scale of pay of ?11900 - 32000/- • 1 year apprenticeship under Apprentices Act, 1961, in relevant area / discipline will be counted towards experience. Age relaxation equivalent to the period of Apprenticeship training undergone only in case of relevant area/industry/discipline shall also be given to Trade Apprentices. • Ex-Servicemen applying for the above vacancies must submit a certificate indicating the equivalence of their qualification to that advertised, failing which the application will be rejected, without further reference in this regard. • The selection methodology - Written test followed by Personal Interview of short listed candidates. Candidates will have to qualify each stage of selection process successfully for being adjudged suitable for subsequent selection event / final selection. • Female candidates can only apply for the posts of Junior Engineering Assistant-IV (Instrumentation) and Junior Materials Assistant-IV. However candidates applying for the post of Junior Materials Assistant should be a person with disability (HH) category. • Candidates can apply against any one post only. Candidates applying for more than one post will not be considered and such applications will be rejected. • Candidates having requisite qualification and fulfilling eligibility criteria should send neatly typed applications duly signed in the prescribed proforms on plain paper (A-4 size) with latest passport size photo (2 copies) along with photocopies of certificate pertaining to age & caste, mark sheets / certificates (of all the years/semesters of Graduation / Diploma), proof of experience duly attested by gazetted officer not below the rank of Tehsildar / Sub-Divisional Officer, Principal of the School, College from where the candidate has passed out. Name of the post should be superscribed on the right side of the envelope. • Candidates possessing professional qualification such as B.E or equivalent, MBA or equivalent / MCA shall not be considered for the above notified vacancies. • Applications should be addressed to: Employee Relations Manager, Barauni Refinery, Indian Oil Corporation Limited, PO: Barauni Oil Refinery, Distt. Begusarai. Pin Code 851 114. • Last date of receipt of applications: 5.00 p.m. on 31-03-2013. • A crossed DD of Rs. 100/- (One hundred only) as application fee (non-refundable) in favour of Accounts Officer, Indian Oil Corporation Ltd., Barauni Refinery payable at Begusarai. The crossed DD may be issued by any Branch other than SBI, BR Campus Branch. No other mode of payment shall be accepted. SC/ST/Ex-servicemen/PWD candidates are exempted from payment of application fee. • "Outstation" SC/ST/PWD candidates called for written test/interview will be reimbursed 2nd Class Railway / Bus fare from the place of residence to the place of interview / test and back by the shortest route subject to providing rail / bus ticket(s). • Reservation of posts for SC/ST/OBC (non creamy layer) / EXSM / PWD (where applicable) candidates and relaxations thereof shall be as per Govt. directives. Candidates applying for posts at Sr. No. 4 & 8 reserved for Persons with Disabilities are required to submit a Certificate issued by a Medical Board constituted by the Central / State Government, failing which their candidature as PH candidates will not be considered. • Employees of Govt. / Semi-Govt./Autonomous Bodies must apply through proper channel or produce "No Objection Certificates" from their employers at the time of Personal Interview. Incomplete applications, not supported by attested copies of relevant documents, not fulfilling the eligibility criteria or those received after the last date of receipt of applications shall not be considered and treated as "Rejected". • Canvassing of any kind shall disqualify the candidate. • For claiming the benefit of OBC category, the candidate should submit a latest caste certificate as per proforma prescribed by Goyt, of India and issued by the competent authority, which would, among others, specifically mention that the candidate does not belong to the persons / sections (creamy layer) as mentioned in column 3 of the Schedule to the Department of Personnel and Training, Govt. of India OM No. 36012/22/93-Estt (SCT) dated 08.09.93. Being a Central Public Sector Undertaking, only those communities that are mentioned in the common list of OBC prepared by Central Govt. shall be treated as OBC for the purpose of reservation. • Barauni Refinery Management reserves the right to increase standard of qualification/criteria of minimum marks etc in order to restrict the number of candidates to a reasonable level. • Mere selection in written examination or interview or empanelment after the selection process shall not confer any right of appointment to the applicants. • A panel will be maintained in order to meet requirements in case candidates issued offers of appointment are not found 'fit" in the pre-employment medical examination/ do not join or to fill up vacancies in addition to those advertised that are mined till the date of written test. Reservation requirements shall be met as per relevant guidelines in this regard. • The Corporation reserves the right to reject any application/candidature at any stage or cancel the conduct of interview/recruitment process without assigning any reason. No enquiry/correspondence shall be entertained in this regard. • In case it is detected at any stage of recruitment or thereafter, that a candidate does not fulfil the eligibility norms and/or that he/she has furnished any incorrect/doctored/false, information/certificate/documents or has suppressed any material fact(s), his/her candidature will stand cancelled. If any of these shortcomings is/are detected even after appointment, his/her services are liable to be terminated. • Appointment of selected candidates is subject to his/her being declared medically fit as per the requirement of the Corporation. • All such

appointments will also be subject to all relevant Rules/policies/guidelines of the Corporation. • Any resultant dispute arising out of this advertisement shall be subject to the sole jurisdiction of the Courts situated at Begusarai • Decision of the Corporation in respect of all matters pertaining to this

APPLICATION FORM

recruitment would be final and binding on all candidates

Post Applied for 1. Full Name 2. Father's Nat 3. Permanent	me :						siz Identity s an officer	e phot hould as me	tograph be certified by entioned in the lith designation /	
4. Address for Present Add	Correspondence / Iress :					_	S	eal of	office.	
5. Date of Birth 7. Religion : 9. Domicile :	1:	6. Sex:Mal	lity:		emale:	L]
(State)			S C	ST	ОВС	EXSM	P	Н		
12. E-mail id 13. Telephone 14. Mobile No.	ing Service harge from Servic No. (With Std Cod	e : e : e) :								
Qualification		jects	Percen	tage o	f marks		Year	of P	assing	
	Principal	Subsidiary								
		_								4
										-
16. Experienc										
Name of the	Des	ignation		P	eriod			D	uration.	
organisation			From		_	То				_
18. DD No Branch Coo Declaration : I he	Date de No. ereby declare that all s	PSU, whether appli	Name of application a	of Issui re true,	ng Bran complete	ch and corr	ect to the b	est of		
reference :- "Car applications will be eligibility criteria, contents of the ad	ndidates can apply aga be rejected." I under my candidature / app	ubmitted applications fo inst any one post only. stand that in the event o cointment will be cancel to abide by the rules, re	Candidates and information of any information of the control of th	applying ition bei ted, with	for more ng found nout assig	than one untrue / f ining any	post will no false / incor reasons t	ot be co rect or hereof	onsidered and su r I do not satisfy t f. I have read t	ch he
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		IDENTIT	TY CERT	FICA	TE				ffix photograph	=
This is to certify the S/o	at the details and photo	ograph of Shri				nd reside	ent of (R/O)	Signa attes	Seal of office & ature of the officer this certificate uld appear on the	
who has applied for PERMANENT AD PRESENT ADDR	DRESS :		is verified	and cer	tified as c	orrectan	d genuine.		Photograph.	_
IL VESEINI WORK	LJJ.									_ !

[Note : Identity of the Candidate should be certified by an Officer not below the rank of Tehsildar / Sub-Divisional Officer of the candidate's domicile place / native place, Principal of the school / college from where the candidate has passed his 10 Standard, Intermediate or Graduation / Diploma along with name, designation and seal of office.]

- EN 50/87 J

Employment News 16-22 March 2013



EMPANELMENT OF CANDIDATES / FINAL RESULT

On the basis of Written Examination held on 22.04.2012 and Stenography Test held on 25.11.2012 and Document Verification on 11.02.2013 and 12.02.2013 for the post of Stenographer/ Junior Stenographer (Hindi) against CEN-8/2010 dated 08.05.2010 and Written Examination dated 15.07.2012, Aptitude Test on 16.10.2012 to 19.10.2012 and Document Verification held on 21.01.2013

to 24.01.2013, 28.01.2013 to 02.02.2013 and 04.02.2013 to 06.02.2013 at Jammu for the post of Assistant Loco Pilot against CEN-01/2011 dated 13.08.2011, the following candidates bearing the following Roll numbers have been provisionally empanelled for the following posts.

Cat. 01, Post:	Stenographer/ Junior	Stenographer (Hindi)	

		(Please prefi	ix "2110801"	before each	Roll Number)		
Northern F	Railway:	4001612	4001956	1000085	4001635	4001637	2000472
2000650	4001741	1000043	4001563	4001823	4001475	4001906	2000543
2000796	2000708						(Total: 16)
Diesel Loc	o Moderni	ization Work	is:	1000110	4001494	4001840	4001797
4001952	1000075						(Total: 06)
Rail Coach	n Factory:	1000048	4001736	1000008	1000183	1000186	1000084
4001759	1000181	1000148	4001442	1000103	4001537	1000223	1000066
4001904	4001777	4001571	4001455	4001882	4001622	4001676	(Total: 21)

	4001759 4001904	1000181 4001777	1000148 4001571	4001442 4001455	1000103 4001882	4001537 4001622	1000223 4001676	1000066 (Total: 21)
		Cat. ()1, Post: As	sistant Lo	co Pilot (Northern Ra	ilway)	
			•		before each	Roll Number)		
	4014177	4011399	2006034	4013661	4012806	1002528	2004292	4014429
	4013568	1001496	1002232	1000575	4013093	2005753	1001691	1002951
	1000193	4013265	1000482	1003192	4013601	1002018	1000408	1002419
	2003945	4014827	1001325	1001380	4011136	4013658	2004050	1000505
	1000440	2006136	4011479	1001431	4011689	4015374	4014531	4011292
	4011482	1003169	3009031	4013071	4013325	4014405	1002251	4012925
	4014089	1001934	1001737	3007659	4012603	4012864	1003295	1001259
	2003752	1000877	4012022	4012421	1000896	4015548	1000730	4014516
	1003327	4011276	1001028	2004438	4013076	4011657	1001894	1000374
	3007426	4012177	4012781	1001318	1002476	3008910	4015228	3010034
	4014017	3008944	4013204	4013649	1000476	4014779	4013723	1003095
	1001273	4014052	4012103	4013195	2007129	4011676	4011813	4014300
	4013381	1001088	4013337	2006482	1001001	1002733	1000856	1002765
	4011168	4013711	1002517	1000169	1001893	2005200	4015140	4014079
	1002224	1001933	1001771	2004373	2006537	1001628	2003507	1003278
	4011650	1000093	4012653	4011789	2006135	4012317	2005752	1001757
	4012074	1003279	2003390	1002290	1000289	1001369	4013360	4014124
	4014036	4013549	1000065	1002641	1002679	1003043	2007311	4012465
	2007345	4013473	4013496	1001856	2005523	1002433	4013604	1000853
	1001156	4010923	4015290	4013830	4013736	2005854	4013169	1002935
	4012279	4012289	4012133	1002546	4014863	4015382	1003069	4012812
	2007163	1001026	4014042	1002154	4012752	1001747	4015355	1002507
	2003402	4015235	2006592	1001237	1003229	1003337	3009546	2006211
	1001868	1002221	1000461	1001543	2003900	4013993	4011696	2007331
	4011009	2004059	4014737	1001597	4012209	1001524	1001526	4014422
	1001571	4011058	4012254	2006200	4015593	1002475	2004079	1000121
	4012666	1003087	2003880	1001978	4010989	4011565	2006117	2006811
	1000095	1001776	4015252	2006165	1001035	4014984	2004664	2003473
	4014872	3008317	4012391	2004795	4014505	4011567	2005800	2004884
	4011662	3007424	4012327	1001820	4011016	4014156	4014244	4013429
	4012308	4012515	4011264	4011622	4014611	4010937	4014989	4012686
	4015518	4014730	2005671	3010726	4014808	2004377	4015576	4011796
	2006038	4014520	3008842	2004582	4012561	4012882	2006293	3010194
	4014454	2004726	4014277	3010073	4015415	4011487	4015221	3008432
	4011628	3009437	4013976	4014363	4013366	2003656	2006888	4013308
	3009326	4015406	2007401	4013417	2006819	2005243	4014382	4012671
	3010554	4014375	4013826	4013796	4011457	4015436	4012422	4014001
	4013684	4014148	4014433	2005822	4010943	2005855	4011563	4013243
	3008495	3007430	2006769	4014646	2006223	4014195	4014201	4012141
	4014415	2004453	4011453	2003496	3008665	2004690	3009445	4011756
	4012425	2004720	3010141	3010506	2004914	2005719	4012748	2004064
١	4012458	2005142	3008076	4013582	2003506	2004973	2005964	2005067
١	2003830	4012294	4014709	3008062	4013941	3008370	2004068	2004777
	2006412	3007900	4012867	2004689	3010536	3008985	4013133	4011575
	3010427	2007126	3008445	4014115	2003946	2006184	2004165	2007354
Ĺ	0000700	1010111	4044004	0000000	0000000	4044000	0004070	0000000

3008702 (Total: 401) The Individual letters to the candidates have been sent. Candidates may kindly note that the empanelment is provisional and merely empanelment does not confer on them any right to appointment on Railways unless they fulfill other eligibility/formalities. Appointment letters to the candidates will be issued by the Northern Railway/Diesel Loco Modernization Works, Patiala/ Rai Coach Factory, Kapurthala, subject to their suitability in all respects, availability of vacancies, fina verification of certificates and medical fitness etc. as per extant rules.

2006860

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While every care has been taken in preparing the above result, the possibility of inadverten error cannot be ruled out. This Board does not undertake responsibility for such errors and reserve the right to rectify the same later on.

The result can be seen on website: www.rrbjammu.nic.in

4014221

4014004

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2004154

3008409

Date: 27.02.2013

Chairman/RRB/J-S/Jammu

"SERVING CUSTOMERS WITH A SMILE"

I/c DIRECTOR

EN 50/24

2003760

4012667

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4014011

NATIONAL INSTITUTE FOR THE ORTHOPAEDICALLY HANDICAPPED B. T. ROAD, BON-HOOGHLY, KOLKATA - 700 090

Phone: (033) 2531 0279/0789 Fax: (033) 2531 8379 e-mail: mail@nioh.in web: www.nioh.in

No. RECRUIT - 2013/NIOH/7850

Date: 13-02-2013

EMPLOYMENT NOTIFICATI

Applications are invited from eligible Indian Citizens to fill the following posts of this institute

Name of the Posts / Mode of Recruitment / No. of Post

(1) Estate Officer - 01 - (UR) (Anticipated Vacancy), (2) Senior Store Keeper - 01 (UR), & (3) Electrician-cum-Pump Operator (Residential) - 01 (OBC)

- For further details log on to www.nioh.in Applications duly completed in all respects and signed by the candidates with
- attested photocopies of relevant documents, educational qualification, age proof, caste certificate, experience certificate, salary drawn etc. should reach to In-charge Director, National Institute for the Orthopaedically Handicapped, B.T. Road, Bon-Hooghly, Kolkata - 700 090 within 21 days from the date of advertisement. Applications received late will not be considered.
- Candidates working in Government / Autonomous bodies should apply through proper channel.
- 3. The institute reserves the right to reject any or all application without giving any reasons

कापरिशत



Corporation Bank

A Premier Public Sector Bank

nt No. CRPO-1-2013 CORPORATE OFFICE: MANGALADEVI TEMPLE ROAD, PANDESHWAR, MANGALORE - 575 001

APPLICATIONS ARE INVITED FOR APPOINTMENT TO THE POST OF CHIEF CUSTOMER SERVICE OFFICER (CCSO) ON CONTRACT BASIS.

Opening date for On-Line Registration	04.03.2013
Closing date for On-Line Registration	23.03.2013
Last date for Receipt of Print out of the Computer Generated On-Line Application	30,03,2013

AGE & FLIGIBILITY (as on 01 01 2013):

LAGE & ELIGIBLE 11 (as on 01.01.2013):						
Name of the Post/No. of Post	Age	Eligibility				
Chief Customer Service Officer (CCSO) – one post on contract basis	Less than 65 years	The applicant should have superannuated or have taken VRS at not less than the rank of General Manager of Scheduled Commercial Bank, from other than Corporation Bank.				
		2. He/She should have the exposure in working of operational side of the bank and should have minimum 10 years experience in the Branch or as Regional Manager/Zonal Manager.				

- CONTRACT PERIOD: The candidate shall be appointed on contract basis initially for one year, which may be extended on yearly basis to a maximum period of 3 years subject to annual review.
- CONTRACT AMOUNT: The contract amount shall be Rs.60,000/- (Rupees Sixty Thousand Only) per month, subject to deduction of taxes as applicable.
- LEAVE & WORKING HOURS: Entitled for a total 12 days leave per year, out of which not more than 4 days leave can be taken at a time. Balance of leave will not be allowed to be carried over to the next year. His/her working hours shall be the usual hours as applicable on all days except Sundays and holidays declared under Negotiable
- LOCATION: The Office of CCSO will be located at Corporate Office, Mangalore. CCSO may be posted/deputed/utilized anywhere in the country at locations where the Bank has its offices.
- JOB PROFILE: CCSO shall be reporting to Chairman and Managing Director of the bank and shall be the focal point for Internal Grievance Redressal System in terms of Damodaran Committee Recommendations so that a minimum number of complaints are escalated to the banking Ombudsman, CCSO will help in strengthening customer confidence on the internal redressal mechanism. **APPLICATION FEE (NON-REFUNDABLE):** ₹ 500/- (Rupees five hundred only).
- means of a Payment challan as per the format given on the Bank's website. www.corpbank.com.
- (ii) Through NEFT at any Bank branch. SELECTION PROCEDURE: The selection will be made on the basis of personal interaction/interview. HOW TO APPLY: Candidates are required to apply online through website www.corpbank.com from

NOTE: Requisite Application Fee may be paid (i) Through CBS at any of the Branches of Corporation Bank, by

- 04.03.2013 to 23.03.2013. No other means/ mode of application will be accepted. Applicants are first required to go to the Bank's website www.corpbank.com and click on "careers" and then to the link "Appointment of CCSO 2013".
- (ii) In case a candidate chooses to pay fees through branches of Corporation Bank,
 - the candidate should take a printout of the fee payment challan from our WEB,
 - Fill in the Fee Payment Challan in a clear and legible handwriting in BLOCK LETTERS.
 - Go to the nearest Corporation Bank Branch with the Fee payment Challan and pay, in Cash, the appropriate Application Fee in CBS Account No. CA01000740 with Ram Bhawan Complex, Mangalore Branch in the name & style of "CORPORATION BANK CCSO RECRUITMENT PROJECT-2013".
 - In case a candidate chooses to pay fees through NEFT (IFSC Code: CORP0000377): - Fill in the NEFT Receipt in a clear and legible handwriting in BLOCK LETTERS.
 - NEFT form is available with respective banks.
 - Pay the application fee in account number 037700201000740

Dy. General Manager (Finance)/ 01 post -UR at Namrup

- Candidates may find out the required branch address from the Bank's website www.corpbank.com under
- Obtain the Applicant's Counterfoil Copy of the Application Fee Payment Challan/NEFT Receipt duly

going to the sublink titled "APPOINTMENT OF CCSO - 2013 ON CONTRACT BASIS" to open up the

- authenticated by the Bank with Branch Name & Code No.; Transaction id/Scroll number (in case of payment through CBS) NEFT UTR No. (in case of payment through NEFT); Date of Deposit & amount filled by the Candidates are now ready to Apply Online by re-visiting the Recruitment Link on the Bank's website and
- appropriate Online Application Format. All the fields in the online Application format should be filled up 10. LAST DATE: Applications complete in all respects should reach the following address on or before 30.03.2013. The printouts of the computer generated on-line application should reach at the following address - GENERAL
- MANAGER (HRM), CORPORATION BANK, CORPORATE OFFICE, HRM DIVISION, P. B. NO. 88, MANGALADEVI TEMPLE ROAD, PANDESHWAR, MANGALORE - 575001, KARNATAKA STATE. Any application received after the date will not be entertained. Incomplete applications will be rejected.
- 11. GENERAL INSTRUCTION
 - While applying for the post, the applicant should ensure that he/she fulfills the eligibility and other norms mentioned above and that the particulars furnished are correct in all respects. In case it is detected at any stage of engagement that a candidate does not fulfill the eligibility norms and/or that he/she furnished any incorrect/false information or has suppressed any material fact(s), his/her candidature will automatically stand cancelled. If any of the above shortcomings is/are detected even after engagement, his/her contractual engagement is liable to be terminated without any notice.
 - Merely satisfying the eligibility norms do not entitle a candidate to be called for Interview. The Bank reserves the right to call only the requisite number of candidates for the Interview after preliminary screening/short listing with reference to candidates' qualification, suitability, experience, etc.

Place: Mangalore **General Manager (HRM)** Date: 28.02.2013 EN 50/83

Advt.No.HR/03/2013/01 **Brahmaputra Valley Fertilizer Corporation Limited**

(A Government of India Undertaking) Brahmaputra Valley Fertilizer Corporation Limited (BVFCL), a Govt. of India Undertaking, situated at Namrup.

₹ 18500-450-23900/- or ₹ 17500-400-22300/-

Assa	Assam invites applications from Indian Nationals for the following posts:					
SI.	Post	Vacancy & Location	Scale of Pay (₹) & Minimum Gross pay			
No.		_	per month (Pre revised)			
01	General Manager (Marketing)	01 post -UR at Namrup	₹ 20500-500-26500/- Min. gross ₹ 76,900/-(approx.)			
02	General Manager (Finance)	01 post -UR at Namrup	₹ 20500-500-26500/- Min. gross ₹ 76,900/-(approx.)			

Min. gross ₹ 69,500/- or ₹ 65,700/-(approx.) Chief Finance Manager Relaxation in age etc. as applicable for reserved categories as per Govt. of India directives for detailed advertisement specification, eligibility criteria & prescribed forms etc. please visit our website: http://www.bvfcl.com. Applications duly completed in all respect should be sent so as to reach The Manager (P&A), BVFCL, Namrup, P.O. Parbatpur, Dist: Dibrugarh, Assam, Pin-786623 within 21 days of publication of this advertisement.

(Fixed)

(Fixed)

Director General, CCRS

EN 50/86

SSC

EN 50/95

₹ 25,000/-PM



CENTRAL COUNCIL FOR RESEARCH IN SIDDHA

Dept. of AYUSH, Ministry of Health & Family Welfare, Government of India Anna Hospital Campus, Arumbakkam, Chennai - 600106 Ph: 044-26212421, Fax: 044-26211621, Email: ccrsadmn2011@gmail.com

Advertisement No. 1/2013

The CCRS is a Central Autonomous Research Organization and Apex body in India with Headquarters at Chennai for formulation, co-ordination, development and promotion of research in Siddha. The Council carries out its activities and function through its network of 5 Institutes / Units located in Chennai, Puducherry, Trivandrum, Palayamkottai and Mettur. Applications are invited for the following positions on contract basis for CCRS Harts. Office and peripheral Institutes.

.No	Name of the Post, No. of Posts	Essential Qualification & Age limit	Remuneration
	Senior Research Fellow - 5 i) Bio-statistics -1 ii) Library Information Science -1	PG Degree in the relevant subject from a Recognised University.	₹ 18,000/-PM+ applicable HRA
	iii) System Administration - 1	Desirable: NET Qualified	

Age Limit: 65 Years

Qualified Chartered Accountant

Age Limit: 30 Years Botany - 1

iv) Chemistry - 1 Chennai / Anywhere in India

Consultants (Varmam Therapy) - 2

Chennai / Puducherry & Trivandrum

Consultant (Administration) -1

Consultant (Accounts) -1 Chennai

Senior Office Assistant - 1

Office Assistant - 2

Chennai

Chennai

GENERAL CONDITIONS:

Initially the period of engagement of the above positions is for one year. Age will be determined as on 01.01.2013. Candidates who fulfil requisite eligibility criteria only will be called for the preliminary written test (only for SRFs & for

others if large in number) followed by interview. The above contractual engagement is liable to transfer any where in India. Applicant should submit all original certificates for verification along with 2 recent passport size photographs at the time

reputed Organisation.

of written test/interview.

No TA/DA will be paid for attending written exam and interview. Duly filled-in application form in prescribed format (download from website http://crisiddha.tn.nic.in/) along with

attested copies of relevant certificates should be sent to Director General, Central Council for Research in Siddha,

Anna Hospital Campus, Arumbakkam, Chennai - 106 Last date for receiving of filled -in-application: 01.04.2013 before 5:00 P.M Director General, CCRS reserves the right to cancel the recruitment of all/any of the posts without assigning any

SVP National Police Academy The SVP National Police Academy

reason thereof.

invites applications for filling up 6 vacant posts of Stenographer Grade-1 on deputation basis in the pay band-2 (9300-34800) with Grade pay Rs.4200/- and other allowances admissible as per Central Govt. rules. Officers holding analogous post on regular basis ir the parent cadre or department OR Stenographers with ten years regular service of in the Pay Band-1 (5200-20200) with Grade Pay of Rs.2400/- or equivalent are eligible for applying to the post. Period of deputation including period of deputation in another ex-cadre post held immediately preceding this appointment in the same or other organization or department of the Central Government shall ordinarily not exceed 3 years. The official should be governed by the stan-

dards terms of deputation stipulat-

ed in O.M. No.2/29/91-Estt(P.II)

dated 05.01.1994 of Department of

Reforms, New Delhi as amended

from time to time. The bio-data

alongwith ACR gradings for last five

cate may be sent through proper

Director(Estt), SVP National Police

Academy, Hyderabad - 500052 so

as to reach within two months

from the date of advertisement. For

more details please visit our web-

The

to

site www.svpnpa.gov.in.

Administrative

Deputy

EN 50/28

&

Personnel

channel



P&P-II Section

M.D. (Siddha) in Sirappu Maruthuvam from a Recognised | ₹ 26,000/-PM

Retired in Under Secretary level with GP ₹ 6,600/-. Well |₹ 30,000/-PM

Retired as Admn. Officer /Section Officer in the Grade pay ₹19,000/-PM

Retired as Office Suptt./ Assistant in the Grade Pay of ₹16,000/-PM

₹ 4,200/- (Minimum) with 2 years experience or PG/UG in (Fixed)

of ₹ 5.400 / ₹ 4.800 from Central Govt / Autonomous (Fixed)

experienced in Central Govt. Rules, Regulations /

Organisation or PG in Commerce with One year Diploma

in computer applications and 5 years experience in

accounts/ admn. in contractual post with any Govt. /

Age Limit: 65 years (Retired persons)35 years for others

commerce/ Science with one year Diploma in Computer

Applicataions and 5 years experience in accounts / admn.

in a contractual post with any Central Government. /

Age Limit: 65 years (Retired persons) 35 years for others

Establishment / Vigilance procedures, court cases etc.



Candidates may refer to the Notice of Sub Inspector(Executive)

Male/Female in Delhi Police Examination 2012 published in the Employment News dated 09-06-2012. Due to administrative reasons, it has been decided in consultation with

Ministry of Home Affairs and Delhi Police to cancel the medical examinations of the candidates conducted by regional offices of the Commission for recruitment of Sub Inspector(Executive) Male/Female in Delhi Police Examination, 2012. After finalisation of the list of candidates selected on the basis of performance in written examination and interview, Delhi Police will conduct medical examination afresh for the selected candidates, as provided in the approved scheme, before offering appointment. US(P&P-II) davp 32204/11/0103/1213`



Assistant

Jamnagar (Gujarat) English Medium Residential School, CBSE Recognized (Under Ministry of Defence)

Sainik School Balachadi

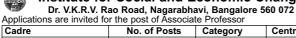
VACANT POST No. of post No. of Vac. Eligibility Nursing Essential Qualification i) Nursing Diploma/ 01 (One)

Degree

(Regular Basis)	ii) 5 years experience or Ex- Serviceman of Medical Assistant trade with at least 5 years service after training. Desirable: Proficiency in games and sports, interest in other extra curricular activities, coluter and aptitude for residential school life style. Ex- Servicemen will be given preference Pay Scale 5200 - 20200 + GP 2400 Age Between 18-50 years as on 01 Apr 2013
/isit School v	bsite www.ssbalachadi.org for application form and othe
details:	EN 50/

Institute for Social and Economic Change

DISCLAIMER The views expressed by the authors in the articles published in the Employment News are their own. They do not neces sarily reflect the views of the government or the organisations they work for. The contents of the advertisements published in the Employment News belong to the organisation or their representatives. The Employment News is in no way responsible for any liability arising out of the contents/text of these advertisements.



The last date for receiving applications with reference to the above advertisement is **April 04,2013**. Detailed advertisement and the prescribed application form tisement is April 04,2013. Detailed advertisement and the prescribed application form can be downloaded from www.isec.ac.in.

RAILWAY RECRUITMENT BOARD, PATNA MAHENDRUGHAT, PATNA-4

As a result of written examination held on 22.04.2012 for the various

Dated - 28.02.2013

26107051000557

26107052000095

26107054000513

WRITTEN EXAMINATION RESULT

posts notified under Centralised Employment Notice No. 05/2010 and

07/2010 as detailed below, candidates bearing the following Roll Nos. have been found eligible for Verification of Original Certificates as well as their identity. They are requested to report RRB, Mahendrughat, Patna for Verification of Original Certificates on date and time mentioned below. Intimation letters for Verification are being despatched to the candidates individually.

The result is provisional subject to verification of original certificates and fulfilling the conditions laid down in the Employment Notice in respect of eligibility for the post. The Roll Numbers of the candidates have been arranged horizontally in

ascending order Date of Verification :- 18.03.2013, Time:-10:00 hrs.

Centralised Employment Notice No. 05/2010

I. Post:- Section Engineer (Chemical), Category No. 07.

26105071000098 (One candidate)

II. Post:- Junior Engineer Gr.II (Metallurgical), Category No. 69. 26105691000117 26105691000161 26105692000089 26105694000020 26105694000066 (Five candidates)

III. Post:- Junior Engineer Gr.II (Chemical), Category No. 70.

26105701000046 (One candidate)

Centralised Employment Notice No. 07/2010

I. Post:- Chemical and Metallurgical Assistant Gr.I, Category No. 04.

26107041000036 26107041000137 26107042000004

26107042000024 26107044000117 26107043000017 26107044000020 26107044000107

26107044000147 26107044000173 (Ten candidates) II. Post:- Junior Chemical and Metallurgical Assistant, Category No. 05.

(Twelve candidates WAITLISTED CANDIDATES

26107051000234 26107051000347 26107051000457

26107051000620 26107051000648 26107052000004

26107053000006 26107054000020 26107054000347

Date of Verification: - 18.03.2013, Time:-14:00 hrs.

Centralised Employment Notice No. 05/2010 I. Post:- Section Engineer (Chemical), Category No. 07. 26105071000113 (One candidate)

II. Post:- Junior Engineer Gr.II (Metallurgical), Category No. 69.

26105694000033 (One candidate) III. Post:- Junior Engineer Gr.II (Chemical), Category No. 70.

Centralised Employment Notice No. 07/2010

I. Post:- Chemical and Metallurgical Assistant Gr.I, Category No. 04.

26105701000015 (One candidate)

26107042000020 26107043000032 26107044000181 26107044000200 (Four candidates)

II. Post:- Junior Chemical and Metallurgical Assistant, Category No. 05.

26107052000146 26107054000022 26107054000241 26107054000343 (Four candidate) In order to take care of the shortfall in the formation of the original

panel, the number of candidates being called for document verification is 30% more than the actual number of vacancies (wherever such number of candidates are available). It is also made clear that merely calling a candidate for document verification does not in any way, entitle him/her for final empanelment/appointment on the Railways. The candidature of all

the above mentioned candidates are purely provisional and subject to their

fulfilling the eligibility criteria in all respects. In case, any of the candidate, who does not receive individual intimation letter for Verification, he/she may come for original document verification on the date fixed above along with the counter foil of the admit card of written examination conducted on 22.04.2012.

While every care has been taken in preparing the above results, Railway Recruitment Board, Patna will not be responsible for any typographical error and reserves the right to rectify the errors and omissions, if any. RRB/Patna regrets inability to entertain any correspondence from unsuccessful candidates. This result is also available at our web site www.rrbpatna.gov.in.

CHAIRMAN

EN 50/50

BIDHAN CHANDRA KRISHI VISWAVIDYALAYA

Applications are invited for engagement on purely temporary basis of 2 (two) S.R.F. & 1 (one) Computer Specialist for the ad-hoc project entitled The response of the hydrological system in India to climate change

(INDICE)" an Indo-Norway research project sponsored by Norwegian Water Resources & Energy Directorate under Dr. Lalu Das, Principal Investigator of the project & Associate Professor & Head, Deptt. of Agricultural Meteorology & Physics, Faculty of Agricultura, BCKV, P.O. Krishi Viswavidyalaya-741252, Mohanpur, Nadia. for a period 3 (three) Years or

the actual date of termination of the project whichever is earlier with a value of fellowship @ Rs. 22,000/- p.m. (fixed) for SRF & Computer Specialist with the following qualification for: **Sr. Research. Fellow:** Master's Degree in Agricultura Meteorology/Meteorology/Atmospherics Science/Environmental

I Science/Physics/Agricultural_Physics/Geography_with_Climatology_or Meteorology as special paper securing at least 55% marks or above in aggregate OGPA 2.75 in 4.00 or OGPA 6.50 in 10.00 scale followed by a

good bachelors degree with knowledge in meteorological data handling/ Computer programming in FORTRAN or C. Preference will be given to the B.Sc.(Agricultural) Hons. Candidates; for Computer Specialist: Master's Degree in Computer Science/Information Technology/Computer Applications (MCA) with experience i) Hands-on experience in Unix/Linux environment,

or skill of programming/Scripts in Grads/ R/IDL/MATLAB, ii) Handling

90

Centre Associate Professor SC Backlog ADRT Centre One

NOTE: Candidates who have already applied with reference to Advt. No. A/5/2012 dated 18/06/2012, 30/07/2012 and 24/08/2012 need not apply

knowledge of large volume of global meteorological/station data or other related data Application in plain paper along with complete bio-data stating a) Name, b) A/1/2013 Father's Name, c) Date of Birth, d) Presrnt & Parmanent Address, e) Academic Qualifications, f) Research Experiences (if any), g) Phone Number (Mobile) and e-mail ID along with attested photocopies of mark-sheets and

testimonials with a Passport size recent colour photograph (to be pasted on the top right side of the Bio-data) should reach to Principal Investigator of the project positively within 25.03.2013. Registrar

Registrar

Cabinet Secretariat

Closing Date: 17.04.2013

App	lications are invite	ed for	the following posts in	Cabinet Secr	closing Date: 17.04.2013 etariat, Government of India
Co-	Post & Vacancy (Vacancy may undergo change)		Pay	Age as on 1.1.2013	Educational Qualification
A	RESEARCH OFFICER (ECONOMICS) Group 'B' Non- Gazetted	07	PB-2 Rs.9300-34,800 Grade pay Rs. 4800/ The post also carries a special allowance of 15% of basic pay per month.	Not exceeding 30 Years (Candidates should be born not before 02.01.1983)	Honours degree or Post Graduation degree in Economics or Commerce from a recognised University or Institution.
В	DEPUTY FIELD OFFICER(TELE) Group 'B' Non- Gazetted	100	PB-2 Rs.9300-34,800 Grade pay Rs. 4200/ The post also carries a special allowance of 15% of basic pay per month.	Not exceeding 30 Years (Candidates should be born not before 02.01.1983)	Degree in Science from recognized University/ Institution with Physics and Mathematics (studied for all the three years) or B.Sc (Hons) in Physics (with Mathematics for the first two years) from a recognized University/ Institution or Diploma (03 Years duration) in Telecommunications or Radio Engineering or Electronics or Electronics and Telecommunication or Bachelor in Computer Applications or equivalent Diploma of a recognized institution or Certificate of proficiency class-II (Radio Electronics) examination conducted by The Ministry of Communications.
С	DEPUTY FIELD OFFICER (GD) Group 'B' Non- Gazetted	77	PB-2 Rs.9300-34,800 Grade pay Rs. 4200/ The post also carries a special allowance of 15% of basic pay per month.	Not exceeding 30 Years (Candidates should be born not before 02.01.1983)	Bachelor's degree from a Recognized University/ Institution.
D	PERSONAL ASSISTANT Group 'B' Non- Gazetted	45	PB-2 Rs.9300-34,800 Grade pay Rs. 4600/- The post also carries a special allowance of 15% of basic pay per month.	Not exceeding 30 Years (Candidates should be born not before 02.01.1983)	i) Bachelor's Degree from a recognized Institution or University. ii) Skill Test Norms. Dictation: 10 minutes @ 100 w.p.m. Transcription: 45 minutes (English), 60 minutes (Hindi) (on computer only)
E	STENOGR- APHER Group 'C' Non- Gazetted	50	PB- 1 Rs. 5200-20200/- Grade Pay Rs. 2400/ The post also carries a special allowance of 15% of basic pay per	18-27 Years (Candidates should be born not before 02.01.1986 & not later than 01.01.	i) 12th Class pass from a recognized Board or University. ii) Skill Test Norms. Dictation: 10 minutes @ 80 w.p.m. Transcription: 50 minutes (English), 65 minutes (Hindi) (on computer only)

Note-I. Only Indian nationals are eligible to apply for the above posts. Note-II. Women candidates may note that for the post DFO (T) (code B) & DFO (GD) (code

month.

C) the job involves postings at arduous locations in field with all India transfer liability. Note-III. The upper age limit is relaxable for the following categories of candidates:-

a) SC/ST candidates by 5 years and OBC candidates by 3 years. Certificate to be submitted in the prescribed format as stipulated in the notice as and when required.

1995)

- b) Central Government Employees working on posts in same line/allied cadre will be considered for age relaxation upto 5 years in upper age limit for group 'B' posts at Sl. No. 1,2 & 3. For Group 'C' post at SI. No. 4, Central Government Employees working on posts in same line/allied cadre will be considered for age relaxation upto the age of 40 years provided they have rendered a minimum of 3 years continuous service in the Government of India offices/ departments as on cut-off date i.e. 01.01.2013 and continue to be in such service till their appointment in the Cabinet
- c) Candidates of Jammu & Kashmir who have ordinarily been domiciled in the state of Jammu & Kashmir during the period from 1.1.1980 to the 31.12.1989 will be eligible for grant of age relaxation in the upper age limit up to a maximum of 5 years.
- d) Ex-servicemen candidates applying for Group 'B' and Group 'C' posts will be eligible for relaxation upto 3 years after deduction of the military service rendered from the actual age as on the cut off date.

Note-IV. Candidate should possess the prescribed educational qualification and age as on 1-1-2013.

Note-V. Only online applications (Annexure-I) will be accepted in website www.ssconline2.gov.in. In view of the huge number of applicants, scrutiny of the eligibility category etc. will not be undertaken at the time of Tier-I and Tier-II examination. Therefore, the application will be accepted provisionally only. The candidates are advised to go through the requirements of educational qualification, age, etc. and satisfy themselves that they are eligible, before applying and before indicating their preference for any particular post. Copies of supporting documents will be sought, only from those candidates who appear in tier-II examination, at the time of interview/ skill test/ document verification. Candidature will be cancelled if any information or claim is not found substantiated when the scrutiny of documents is undertaken after Tier-II of the Examination. The Department's decision will

be final in this regard.

Note-VI. Candidates submitting their application online should pay a fee of Rs. 100/- (One hundred only) through State Bank of India challan or online account with SBI. Challan form will be generated online (please see 'Annexure -II' for filling online application). All Women candidates and candidates belonging to Scheduled Caste and Scheduled Tribe are exempted from paying application fee, as per extant government orders. Note-VII. Fee once paid will not be refunded under any circumstance.

Note-VIII. Fee paid by modes other than SBI will not be considered and the applications of such candidates will be rejected outright and payment made shall stand forfeited. Note-IX. Candidates are advised to furnish correct information regarding their age, educational qualification and Caste/Category (i.e. SC/ST/OBC) in the application forms.

Note-X. No change of Centre of Examination will be allowed under any circumstance. Hence, the candidates should select the centres carefully and indicate the same correctly in their applications. Any centre may be cancelled and candidates diverted to other centres.

Note-XI. SCHEME OF EXAMINATION:

The Examination will be conducted as indicated below:

RO (ECO), DFO (T) and DFO (GD): Prelims, Mains and Interview. (Three Tier)

(Common Preliminary Test for all the three posts) PA and Stenographer Prelims, Skill Test & Interview, (Three Tier)

	Stenographer n Preliminary Test for both the p	: Prelims, Skill Test & Interview. (7 posts)	hree Tier)
Post	Tier - I (Objective Multiple Choice)	Tier- II (Descriptive)	Tier - III (Interview)
RO (ECO)	Questions on: General English (50 marks) General Studies (50 marks) General Intelligence/ Reasoning Ability (50 marks) Numerical Aptitude (50 marks) Total Marks: 200 Duration: 2 Hours	Paper on Economic Theory and Important Economic Developments in the International Arena and Statistics. Total Marks: 300 Duration: 3 Hours	60 Marks
DFO (T)	Questions on: General English (50 marks) General Studies (50 marks) General Intelligence/ Reasoning Ability (50 marks) Numerical Aptitude(50 marks) Total Marks: 200 Duration: 2 Hours	Paper-I (Conventional Type) General English (50 Marks) General Awareness (50 Marks) Total Marks: 100 Duration: 2 Hours Paper-II (Conventional Type) Section - I Sub section a) Physics (Degree level) Sub Section b) Mathematics (Degree Level) Section - II Electronics/ Telecommunications/Radio Engineering (03 year Diploma level) Section - III Computer Science/Computer Applications (03 year Diploma level) Total Marks: 200 Duration: 2 Hours Note: The candidates have the choice to answer any one of the 3 sections of Paper II. Those candidates who opt for section 1 may be required to answer at least 2 questions each from Sub sections a) and b)	60 Marks
DFO	Questions on:	Paper-I	60
(GD)	General English (50 marks) General Studies (50 marks) General Intelligence/ Reasoning Ability (50 marks) Numerical Aptitude (50 marks) Total Marks: 200 Duration: 2 Hours	English language including communication skills comprising of: English Essay (70 Marks) Précis (30 Marks) Letter Writing (30 Marks) Comprehension passage (30 Marks) Grammar (40 Marks). Total Marks: 200	Marks
Pari	T : 1	Duration: 3 Hours Paper-II Quantative Abilities (50 Marks), General Awareness (50 Marks) Total Marks: 100 Duration: 2 Hours	
Post	Tier - I	Tier - II	Tier - III (Interview)
	Paper- I (Objective Multiple Choice)	Skill Test (300 Marks) Skill Test Norms	60 Marks

Note-XII The medium of examination will be English.

General English

General Knowledge

Total Marks: 200

Paper- II

Paper- I

Paper- II

Steno-

grapher

English Essay

Total Marks: 100

Duration: 1 Hour

General English

Total Marks: 200

English Essay

General Knowledge

Duration: 2 Hours

(Descriptive type) Total Marks: 100

Duration: 1 Hour

Duration: 2 Hours

Note-XIII Mode of selection: 3 tier process __ Candidates qualifying in tier 1 will be called for tier 2 and those qualifying in tier 2 will be called for tier 3 i.e. interview. Select panel to be derived on the combined score of tier 2 (Mains) and tier 3 (Interview). Tier 1 examination will be qualifying examination. In case of tie between 2 or more candidates, the merit list will be prepared on the basis of date of birth i.e. older candidate will be placed above the younger one.

Skill Test

Skill Test Norms

Dictation: 10 minutes @ 100 w.p.m.

Transcription: 45 minutes (English),

Dictation: 10 minutes @ 80 w.p.m.

Transcription: 50 minutes (English), 65

minutes (Hindi) (on computer only)

60 minutes (Hindi) (on computer only)

(300 Marks)

Continued on page 21

60

Marks

summarily.

Note-XIV . The preliminary exam will be conducted on 17.06.2013 for all posts as below:				
Post Codes A, B & C	:	Forenoon	10.00 AM to 12.00 Noon	17.06.2013
Post Codes D & E	:	Afternoon	Paper - I (2.00 PM to 4.00 PM) Paper- II (4.00 PM to 5.00 PM)	17.06.2013
Note-XV. Persons, who are already in government service, should be in possession of NO				

from respective office/ Department, when they appear for Preliminary Examination. Note-XVI. The organisation will not be responsible for late / no receipt of call letters for Preliminary/ Main examination / interview, due to delay in postal channel.

Note-XVII. MOBILE PHONE AND OTHER ELECTRONIC GADGETS ARE BANNED WITHIN THE PREMISES OF THE EXAMINATION CENTRES. POSSESSION OF SUCH EQUIPMENT WHETHER IN USE OR IN SWITCH OFF MODE, DURING THE

EXAMINATION WILL BE CONSIDERED AS USE OF UNFAIR MEANS. CANDI-TATURE OF SUCH CANDIDATES WILL BE CANCELLED. THEY WILL BE LIABLE FOR FURTHER ACTION AS MAY BE DECIDED BY THE COMMISSION. Note-XVIII. The employment carries with it the All India transfer liability. Note-XIX. Only selected candidates would be informed of their selection in due course after

the selection process and no correspondence on the subject would be entertained. Note-XX. The last date of receipt of application is 17.04.2013. Applications received after the last date shall not be entertained. Note-XXI. If a candidate applies for more than one post, he will be eligible to be considered for only one post as per his order of preference.

ANNEXURE - I **RECRUITMENT FOR CABINET SECRETARIAT-2013** Please read instructions in the Notice of the Examination/ Annexure-II carefully.

E: Stenographer

From

To

Annexure-II

3. Candidate's Full Name (in English), Write in Capital Letters exactly as in Matriculation Certificate. Leave a box blank between any two parts of the name. 4. Father's Name (Write in Capital Letters in English)

1. Name of the Examination Centre

5. Mother's Name (Write in Capital Letters in English)

Date of Birth

8. Nationality П 7. Gender □ 9. Fee (Write 1-Indian) (Write 1-Fee paid & Month Year Day 2- Exemption (Write 1-Female **Only Indian Nationals** & 2-Male) need to apply claimed)

13. If Yes, 10. Category □ 11. If Ex-Serviceman, Write 3 □ 12. Whether (Write 09-General, 01-SC, seeking age indicate 02-ST, 03-Ex-Serviceman, 11.1 Length of service □□ (Year) relaxation code Date of Discharge 06-OBC, 12-CGE (Group 'B'), (Write 1-Yes. 15-CGE (Group 'C' & Month Year 2-No) Day 21-Kashmiri Migrant) 14. Age as on (01.01.2013) 15. Preference for Posts (Indicate Code) Codes A: Research Officer (Eco) 3 4 5 B: Deputy Field Officer (Tele) Day Month Year C:Deputy Field Officer (GD) Preference once exercised D: Personal Assistant shall be final.

17. Percentage (%) of Marks 16. Educational Qualification (Indicate code) • • 18. Details of work experience/ Govt. Service rendered Name of the Organisation (s) Designation **Period of Service** Nature of the

Duty (ies)

running Hand)

20. Photograph Roll 19. Address: Write your complete Communication Paste here firmly Address including your Name in English Capital Number Letters or Hindi with Blue or Black Ball Pen. your recent (for office Name photograph use only) Address (4 c.m. x 5 c.m.) PIN: 21. Signature of the Mobile No. : Candidate in the Email ID: above Box (Only in

Procedure for Online Submission of Application 1. On-line application facility will be available from

2. Online submission of the application may be made at website www.ssconline2.gov.in.

Instructions are available at the site. Candidate should read the instructions carefully before making any entry or selecting options. Candidate should supply all the required details while filling up the online form. Mandatory fields are marked with * (asterisk) sign. The filling of online application contains two parts :-Part I Registration

Part II Registration 3. In Part I registration, candidate will have to fill basic information. On submission of details, can-

NACWC

didate will be prompted to check the details and make any correction in the application.

4. Candidate may press "I agree" button after declaration once he/ she finds that information supplied by him/ her is in order and no correction is required. Thereafter no correction/ modification etc. will be allowed.

5. A page with Registration No. will now be generated. Note down the registration number or take out the printout of the page. Candidates using sifyitest site will also get a SMS containing Registration Number. The application procedure is incomplete without part II registration. Part II registration requires filling of payment details, uploading of photograph and scanned signature. Candidates may note that the Registration number given by the Commission and Transaction ID of the Bank should be properly entered in the relevant space, failing which it will not be possible to link the payment with part I registration. On-line application will be complete only if scanned signature and photo are uploaded as per instructions. Incomplete online application will be rejected

cash through SBI bank challan. 7. To pay fee in cash, candidate should take print out of challan generated online after completion of part I registration. Deposit the requisite fee in pay branch of State Bank of India and then

6. Candidates who have to pay application fee can pay fee online through SBI net banking, or

continue with the part II registration. 8. Those who want to pay online through SBI net banking, can go directly to part II registration after completion of part I. Candidate will have to supply registration number and date of birth to

continue to part II registration. 9. Then upload a recently taken scanned photograph in 8 - bit JPG format. The digital size of the file must be of resolution 100 pixel widths by 120 pixels height.

produce before the Regional Office in the event of any discripency. 12. Candidates are advised to go through the instructions carefully before filling up the application form. 13. Request for change/ correction in any particulars in the Application Form shall not be enter-

10. Then upload you scanned signature in 8 - bit JPG format. The digital size of the file must be

11. Emails will be received by the candidates registering only. Copy of email may be retained to

tained under any circumstances. The Department will not be responsible for any consequences arising out of non acceptance of any correction/ addition/ deletion in any particular filled in application form whatever the reasons may be. 14. Copy of challan through which fee is paid or details of online payment must be retained and

produced on demand. **Essential Educational Qualification Code**

Matriculation	35
Diploma (3 Years)	04
BA	05
B. Com.	07
B.Sc.	09
BE	13
B. Tech	14
AMIE (Part A & Part B)	15
B.Sc. (Engg.)	16
BCA	17
Certificate of Profciency Class-II Examination	
conducted by Ministry	36
Others	37
Subject Code for Educational Qualification	
Subject of Educational Qualification	Code

01

02

History Political Science

of resolution 140 pixel width by b60 pixels height.

Economics	03
English Literature	04
Hindi Literature	05
Geography	06
Commerce	07
Physics	09
Mathematics	11
Statistics	12
Electronics	19
Electronics & Tele Communication Engineering	21
Computer Science	24
Computer Application	25
Radio Engineering	26
Physics + Mathematics	27
Others	28

Examination Centre	Centre Code
Lucknow	3010
Kolkata	4410
Bangalore	9001
Delhi	2201
Guwahati (Dispur)	5105
Chennai	8201
Mumbai	7204
Jammu	1004
	Lucknow Kolkata Bangalore Delhi Guwahati (Dispur) Chennai Mumbai

davp 58101/11/0073/1213 Research Institutions, Public Sector Undertakings (PSUs), Semi-Government, Autonomous, and Statutory Organisations.

National Authority Chemical Weapons Convention

Cabinet Secretariat, Government of India NACWC is the nodal agency for implementing Chemical Weapons Convention and focal point for Organization for Prohibition of

Chemical Weapons Convention (OPCW). Currently we are looking for suitably qualified candidates with academic and professional background in chemistry for the following

ing their attached and subordinate offices), Universities, Recognised

- 1. One post of Adviser (Rs. 37400-67000, Rs. 8900 (GP)) 2. One post of Deputy Director (Rs. 15600 - 39100, Rs. 6600 (GP))
- 3. Two posts of Technical Officers (Rs. 9300-34800, Rs. 4800 (GP))

Employees from the following organizations are eligible to apply: Central / State Governments, Union Territories Administration (includapplicable. These positions require domestic as well as foreign travel. Please visit our web-site at www.nacwc.nic.in for application form and further details. Interested candidates should send duly completed application form

Selected candidates will be entitled to a deputation allowance where

within 60 days from the date of publication in the Employment News and any related enquiries to the following address: R. K. Panigrahi, Deputy Director

National Authority Chemical Weapons Convention (NACWC) Ist Floor, Chanakya Bhawan, Chanakyapuri, New Delhi - 110021 Phone: 011-24675691, Fax: 011-24675767

A scanned copy of the application and enquires should also be sent to the following email:nacwc@nic.in EN 50/98 davp 58101/11/0075/1213

The date of submission of

documents, to be attached with the application forms for the post of Associate Professor and

Professor who have already submitted their Application-Form by 15th February 2013 is extended upto 30th April 2013. It is clarified that this extension of date for submitting document is not applicable for the post of Assistant Professor. Registrar

EN 50/36



BECOME A JUNIOR COMMISSIONED OFFICER THE ARMY AS RELIGIOUS TEACHER

Applications are invited from candidates for recruitment of Religious Teachers in the Army as Junior Commissioned Officer for RRT 72 & 73 course. Religious Teachers preach religious scriptures to troops and conduct various rituals at Regimental/Unit religious institutions. Their duties include attending funerals, ministering to the sick in hospitals, reading prayers with the convalescents, visiting soldiers undergoing sentence, giving special religious instructions to children and enlisted boys besides attending generally to the religious instructions and welfare of Officers, Soldiers and their families.

ELIGIBILITY

- (a) Age: Must not be below 27 years or over 34 years for civilian candidates and between 25 years to 34 years for remustered candidates as on first day of Recruitment Rally. Candidates are requested to contact nearest Recruiting office/Zone given in Para 6 of this advertisement for date of Recruitment Rally. For more details please visit our website www.joinindianarmy.nic.in.
- (b) <u>Educational & Language Qualifications</u>: The Minimum educational qualifications applicable to candidates applying for post is as under :-

Pandit:

(i) Candidates with minimum educational qualification of graduation in any discipline from a recognized university.

(ii) In addition candidate must also be qualified Madhyama in Sanskrit or Bhushan in Hindi or equivalent standard in the regional language concerned.

(iii) Those who have passed BA with Sanskrit / Hindi as one of the elective(Main) subjects but have not done Madhyama in Sanskrit or Bhushan in Hindi are also eligible.

Note: For Indian domicile Gorkha candidates applying for the post of Pandit the minimum educational qualification for appointment will be same as 2 (b) above. For Nepalese domicile Gorkha candidates applying for the post of Pandit the minimum educational qualification for appointment will be as under:-

(i) BA with Sanskrit/Hindi as one of the elective (main) subjects (Madhyama in Sanskrit or Bhushan in Hindi not mandatory) (ii) Graduation/Post Graduation in Sanskrit from any recognized university of India/Nepal. (iii) Graduation in any discipline from a recognised university with Madhyama in Sanskrit or Bhushan in Hindi or equivalent standard in the regional language concerned.

Maulvi: Candidates with the minimum educational qualification of readuation in any discipline from a recognized university. In addition

graduation in any discipline from a recognized university. In addition candidate must also be qualified as Maulvi Alim in Arabic / Adib Alim in Urdu or equivalent standard. Those who have passed BA with Arabic / Urdu as one of the elective (Main) subject but have not done Maulvi Alim

in Arabic / Adib Alim in Urdu are also eligible.

Padre: Candidates with the minimum educational qualification of graduation from a recognized university. In addition candidates should have been ordained priest by the appropriate ecclesiastical authority and is still on the approved list of the local Bishop.

(c) Culture: Candidates should belong to the culture of the appropriate religious denomination and religious qualification acceptable to the troops.

(d) Medical Standard: A candidate should have robust physique and mental health, chest should be well developed having minimum 5 cm. expansion, should have normal hearing with each ear. Should have sufficient number of natural teeth i.e. 14 dental points with healthy gums. Should not have diseases like deformity of bones, hydrocele, varicose veins or piles. Candidates may contact nearest recruiting office / zone as given in Para 6 of the advertisement for existing rules on acceptable medical standards.

(e) Physical Standards: Minimum Physical Standards (i) Height – 160 cm

Physical Standards: Minimum Physical Standards (i) Height – 160 cm (ii) Weight - 50 Kg. (iii) Chest -77 cm. (iv) Physical Fitness Tests (PFT) -candidate should be able to run 1600 meter in eight minutes.

PROCEDURE OF SELECTION:

- (a) The recruitment will be carried out through all the HQ Recruiting Zones, IRO Delhi Cantt, Ladakh Scout Regt Centre Leh and JAKLI Regt Centre Srinagar.

 (b) <u>Submission of Application</u>: Application duly filled as per performa given in the advertisement will be submitted by the candidate alongwith the required documents duly super scribed (APPLICATION FOR JCO (RT) COURSE NO 72 & 73) on top outer cover of envelope to the HQ Rtg Zone / IRO Delhi Cantt / Ladakh Scout Regtl Centre Leh / JAK LI Regtl Trg Centre Srinagar of which the individual is a permanent native / resident latest by 25 Apr 2013. They can appear for written exam only from the place of domicile. Application submitted to a different org of which the candidate is not domicile of will be rejected. Postal Addresses of all Headquarters Recruiting Zones & concerned Regimental Centres are given at Para 6. (c) Candidates found eligible will be issued call up letters by the concerned office/recruiting organisation for initial screening which will include checking of original certificates followed by medical examination.

 (d) The screened candidates will be put through written examination which will be conducted on 30 Jun 2013 and will comprise of two papers as follows:

PAPER I: (Maximum Marks -100). This will contain objective type questions on general awareness and will be common to candidates of all Religious denominations.

 $\begin{tabular}{ll} \bf PAPER~II~:~ (Maximum Marks~-100). This will test the knowledge specific to particular religious denomination to which the candidate belongs. The paper may be answered in English or Hindi.$

 $\underline{Note}:$ Only those candidates who qualify in Paper I by securing a minimum 40 out of 100 marks will be allowed to appear in Paper – II.

- (e) In Paper II candidates are required to secure a minimum of 40 marks out of total 100 marks and come in the merit list to be eligible for appearing in the interview. The number of candidates to be called for interview will be three times the number of vacancies. Only those candidates who come in merit will be interviewed by a board of officers at the nominated Regimental Centre. The interview will be out of 100 marks.
- Candidates are required to secure minimum 50 out of 100 marks to qualify in
- The final selection will be based on merit list drawn on the basis of the total marks obtained in Paper II and Interview.
- (h) Candidates finally selected will be enrolled as JCO (RT) and will undergo six weeks training at Regimental Centre followed by eleven weeks training at Institute of National Integration, Pune.
- Rejection can take place at any stage during training also.

NUMBER OF VACANCIES

4. Total no of Vacancies as per religious denomination for RRT 72 Course are Pandit 31, Maulvi 03 & Padre 02 and RRT 73 Course are Pandit 19, Maulvi 02 & Padre 03.

(a) Appointment: On successful completion of training the candidates will be commissioned as Religious Teachers in the rank of Naib Subedar.
(b) Promotion: All JCOs (Religious Teachers) will become eligible for paid acting promotion to the rank of Subedar/Risaldar on completion of at least 10 years service as a religious teacher.

service as a religious teacher.

(c) Pay, Allowances and Perks: The JCO (RT) will be placed at the minimum pay scale of Rs. 9300-34800. In addition they will be entitled to DA, free accommodation, entitled ration for self, uniform, free medical and leave travel concession for self, family, and dependents, canteen facilities and other allowances as admissible to the regular Army.

(d) Retirement: Normal age of superannuation for JCO (RT) in the rank of Subedar will be 57 years. A Subedar Major (RT) will retire on completion of four years of service as Subedar Major or 57 years of age, whichever is earlier.

- Postal Address of Headquarters Recruiting Zones/Concerned Regimental Centers:
 - HQ Rtg Zone, Ambala Chandershekhar Marg Ambala Cantt 133001 (For Haryana and HP)
- HQ Rtg Zone, Bangalore
 148, Fd Marshal KM Kariappa Road Bangalore – 560025 (For Karnataka, Kerala and Lakshwadeep)
- 3. HQ Rtg Zone, Chennai Fort Saint George Chennai-600009 (For Tamil Nadu, Andhra Pradesh, Pondicheri & AN Islands)

- 4. HQ Rtg Zone, Danapur Danapur Cantt-801503 (For Bihar & Jharkhand)
- 5. IRO, Delhi Cantt Delhi Cantt-110010 (For Delhi, Gurgaon, Faridabad & Mewat Dist of Haryana)
- 6. HQ Rtg Zone, Jabalpur T-23, Ridge Road Jabalpur-482001 (For MP & Chattisgarh) 9. HQ Rtg Zone, Kolkata 1, Gorkhle Road, Kolkata – 700020 (For W Bengal, Sikkim & 8. HQ Rtg Zone, Jalandhar Jalandhar Cantt-144005 (For Punjab and J &K)

Òrissa)

7. HQ Rtg Zone, Jaipur Shastri Nagar Post Box No 35 Jaipur (Raj)-302016 (For Rajasthan) 10. HQ Rtg Zone, Lucknow 236, M G Road Lucknow Cantt-226002

13. Ladakh Scout Regt Centre

PIN - 910368, c/o 56 APO,

(For Uttar Predesh) & Uttarakhand)

- 11. HQ Rtg Zone, Pune 3, Rajender Singhji Road Pune-410001 (For Maharashtra, Goa Gujarat and UT of Diu & Daman)
- 14. JAK LI Regt Trg Centre PIN-901196, c/o 56 APO
- 12. HQ Rtg Zone, Shillong Shillong-793001 (For NE States)

I I dell No	APPLICATION FORM FOR JCO (RT)					
Ro No ₋ 	PART I : PERSONAL DATA RRT COURSE SER (Fill in Block Letters)					
1.	Name in full (Block Capitals) : (Do not use initials)	Affix Passport				
2.	Father's Name (Block Capitals) :	size photo				
3.	Permanent Home Address :- Vill/Colony/Locality Post Teh /Taluk Distt Pin State Tele No with STD code	(3.5cm x 4.5cm)				
4. 	Present Address :- Vill/Colony/Locality Post					

- 5. Caste/Tribe_ Religion Mother Tongue Nationality_
- Date of birth (Attach CTC/Xerox copy duly attested of Matriculation certificate) 6.
- Marital status Married/Unmarried (If married, attach an affidavit from 7. Magistrate stating that you have single spouse only)
 - Any outstanding achievements (Sports/Education)

_ (b) _ _ (c)

Yes / No

9. Son of Serving/Ex-serviceman/Son of War Widow: /Son of Widow NCC Certificate: (If 'Yes' attach CTC copy of Certificate). 10.

`A'/'B'/'C'

11.

Previous/Current employment (If any) Yes/No (If 'Yes' attach CTC copy of 'No Objection Certificate' from employer).

PART II: ELIGIBILITY

i	Ser No	Name ofthe Employer (full address with telephone No)	Designation	Duration	Remarks
ļ					

12. Religious Education Oualification :-

 -	Ser No	Exam	Subject	Year	Institute where studied	Board / University	Division Scored (with percentage
ļ							

13.Language :-

14.

8.

	Ser No	Language	Examination Passed	Proficiency Read, Write, Speak	Remarks	
ļ						

PART III: DECLARATION

- I certify that :-The above information is true to the best of my knowledge and (a) The above information is true to the best of my knowledge and belief. I am liable to be disqualified if any information given above is found to be incorrect/incomplete/false.
- (b) I am fully aware that recruitment is a FREE service and no money is required to be paid to any agency. If at any stage, it is discovered that I have paid any money to get recruited, I am liable to be disqualified/discharged from service.
- (c) I will not claim any compensation for any injury/ disability sustained by me during screening and selection process.
- I declare that I am submitting the attested photocopy of the following certificates :-

 - Character / Conduct certificate.
 High school certificate.
 Intermediate (10+2) certificate.
 Graduation certificates.
 Photocopies of detailed marks sheet separately for each year atton: Graduation: -
 - (i) First year (ii) Second year (iii) Third year
 - Photocopies of detailed marks sheet separately for each year of Post
 - Graduation :-(i) First year (ii) Second year

Government of India

Ministry of **Defence**

Corps of Military Police Centre and School Bangalore: Invites Applications for the following Group 'C' Posts from the Indian

1. Painter: 01 Post (UR)

- **Essential Qualification:-**(a) Matriculation or its equivalent.
- (ii) ITI Certificate or National Certificate Trade Vocational Training or Ex-Trade apprentices.
- (iii) One year experience in the trade from any recognised institution.
- (PB-I, Pay Band: Rs.5200-20200 + Grade Pay Rs. 1900/- + Allowances as admissible).

2. BARBER: 01 Post (ST) **Essential Qualification:-**

- (i) Matriculation pass or equivalent from recognized Board with proficiency in Barber's trade job.
- (ii) One year experience in the trade. (PB-I, Pay Band Rs.5200-20200 + Grade Pay 1800/-
- + Allowances as admissible).

3. ER: 01 Post (SC)

Essential Qualification: - (i) Matriculation pass or equivalent from recognized Board (ii) Should be able to carry out all canvas, textile and leather repair and replacement of equipment and boots (PB-I, Pay Band Rs.5200-20200 + Grade Pay 1800/- + Allowances as admissible).

4. GENERAL INSTRUCTIONS:

- (a) Age: Minimum 18 years & Maximum 25 years for General candidates, (relaxation for ST/SC candidates - 05 years and for Govt. servants in accordance with the instructions or orders issued by the Central Govt.) as on 21 days from the publication of the advertise-
- (b) Screening process to be followed such as applicability of written/practical test/oral interview as applicable to the posts. Question papers will be available in both English and Hindi Language.
- (c) Applications completed in all respect along with attested copies of necessary certificates to be submitted to The Commandant CMP Centre and School, Neelasandra Lines, Bangalore - 25, within 30 days from the date

- of publication of this advertisement in News Paper. Candidates are requested to superscribe the words "APPLICATION FOR THE _" on the **top** of the enve-POST OF lope while sending the application form.
- (d) Candidates must paste the latest attested passport size photograph on the top and right side of the application form. Applications received after the due date and incomplete and essential certificates not found attached
- Application to be forwarded in A4 Size paper with following Bio-data along with attested copies of educational certificates, caste certificates, experience certificates (where applicable), domicle certificates and character certificates : -
- (i) Post applied for :
- (ii) Name in full (Block letters):
- (iii) Father's Name:

shall be rejected.

- (iv) Permanent & Correspondence Address with Pin code:
- (v) Date of Birth:
- (vi) Caste: General (Attach certificate as applicable)
- (vii) Education qualification:
- (viii)Experience :
- (ix) Physically Handicapped details (if applicable)
- (e) Applicants are advised to send application either in English or Hindi (f) Applicants are advised to send two self addressed envelope duly pasted with Rs.5/-
- postage stamp. (g) Call letters will be sent to the candidates in whom respect application found correct after screening of the same for written/practical
- (h) CMP Centre and School will not be responsible for any postal delay.
- (j) No correspondence/complaint in this regard shall be entertained.
- (h) No TA/DA for test/interview will be paid. Candidate will make their own boarding/lodging arrangement for test/interview.
- Note: (i) The number of vacancies notified are subject to change without any further
- (ii) The organization has the right to reduce the number of candidates for written/practical test on the basis of %age of marks obtained in minimum essential qualification. EN 50/66

Continued from page 22

- Domicile certificate. NCC Certificate. Relationship certificate (Son of Serving/Ex-serviceman/Son of War Widow/Son of Widow) (attach CTC of proof duly authenticated by the concerned Records Office)
 - (<u>Signature of the Candidate</u>) <u>Dated : _____</u>

INSTRUCTIONS

- 1. Duly filled up Application as per the given format will be addressed to concerned addressee as mentioned in Para 6, Write "APPLICATON FOR JCO (RT) COURSE NO ____ on top of the envelope containing applications.

 2. Application may be handwritten or typed on A4 size paper as per the given format.

 3. Affix your recent passport size photograph without sun glasses at the space provided in the application form. Photograph taken with Polaroid camera or computer print will not be accepted. An additional self attested photograph also be submitted along with application form.
- 4. Enclose three self addressed stamped Registered envelopes issued by the Department of Post & Telegraph giving your present address with PIN Code on which acknowledgment/call up notice/rejection slip is to be sent.

 5. A candidate whose application has been rejected earlier may apply again if eligible/
- age permits All incomplete applications will be rejected.

NOTE

EN 50/69

- All above terms and conditions, vacancies and selection procedures are subject to change from time to time.

 List of recognised universities to be verified from nearest HQ Recruiting Zone / ARO/ IRO Delhi Cantt.
- Only Male candidates are eligible to apply.
- 4. Candidates who are serving with any organization and are selected for the interview will produce "No Objection Certificate" from their employee at Zonal Recruiting Office before
- will produce "No Objection Certificate" from their employee at Zonal Recruiting Office before dispatch.

 5. The candidates declared successful in the written examination and short listed for interview will be communicated about the interview dates by post through self addressed envelopes and the list will also be displayed at their respective HQ Recruiting Zones by 20 Aug 2013 The list of finally selected candidates will be displayed at their respective HQ Recruiting Zones by 30 Oct 2013. Recruiting organization will not be responsible for non receipt of communication due to postal errors and incorrect/incomplete address furnished by the candidates.

 The candidates are required to produce the following documents, when called for
- The candidates are required to produce the following documents, when called for screening;:
 - (a) Character certificate by Sarpanch of the Village or authorized signatory of the State Government.
 - (b) Domicile/Resident/Nativity certificate from the authorized signatory of the state Government.
 (c) Original Certificate from matriculation onward and detailed Mark sheet of

 - each year separately pertaining to Educational qualification.

 (d) NCC Certificate in original, if applicable.

 (e) Son of serviceman/Ex-servicemen, son of war widow/son of widow,
- certificate in original, if applicable.

 7. Permanent body tattoos are only permitted on inner face of forearms i.e, from inside of elbow to the wrist and on the reverse side of palm / back (dorsal) side of hand. Permanent body tattoos are any other part of the body are not acceptable and candidates will be barred from further selection. Tribes with tattoo marks on the face or body as per their existing custom and traditions will be permitted on a case to case basis.

"Do not waste your money on touts.

Recruiting process has been Computerized, and Touts cannot do anything.

Have faith on your hard work"

LAST DATE FOR RECEIPT OF APPLICATION 25 APR 2013

Sainik School Gopalganj

Post - Hathwa, Dist-Gopalganj (Bihar) Pin 841 436 Tele Nos : 06150-231681/232546, Fax : 06150-231681 Web site: www.ssgopalganj.in, E-Mail: ssgopalganj@rediffmail.com

VACANCY Applications are invited from Indian nationals for the following regular/contractual posts.

Ser	Post	Age	Pay Band/	Eligibility
			Salary	
(a)	Laboratory Assistant Regular -03 Posts (Physics-01 Chemistry-01 & Biology- 01)	Between 21- 35 years as on 01 April 2013	Rs. 5200-20200 Grade Pay Rs. 2400	Essential Qualification Intermediate Science or Equivalent academic qualification in the subject. Desirable 1. Degree/Diploma in Science stream from a recognised university. 2. Knowledge of lab records and their maintenance.
(b)	Upper Division Clerk Store (UDC Store) Regular- 01	Between 18- 50 years as on 01 Apr 2013	Rs. 5200-20200 Grade Pay Rs. 2400/-	Essential Qualification 1. Graduate with at least 2 years experience as Store Clerk in a Govt or Govt recognised organisation. 2.Ex-servicemen with min 15 years of service of SKT category (or equivalent in Navy & Air Force) are eligible to apply. Desirable 1. Ability to correspond independently in English. 2. Good knowledge of store keeping & store ledger maintenance. 3. Knowledge of MS Office.
(c)	Lower Division Clerk Store (LDC Store) Contractual- 01	Between 18- 50 years as on 01 Apr 2013	Rs. 13,295/- (consolidated)	Essential Qualification 1. Minimum Matriculation pass. 2. Ex-servicemen of SKT category (or equivalent in Navy & Air Force) are eligible to apply. Desirable 1. Ability to correspond independently in English. 2. Knowledge of store keeping & store ledger maintenance. 3. Knowledge of MS Office.
(d)	Lower Division Clerk (LDC) Contractual-01	Between 18- 50 years as on 01 Apr 2013	(consolidated)	Essential Qualification 1. Minimum Matriculation pass. 2. Typing speed of at least 40 words per minute 3. Proficiency in computer, MS Word, MS Excel & Power Point. Desirable. Knowledge in shorthand and ability to correspond in English would be preferred.
(e)	Band Master Contractual-01	Between 18- 50 years as on 01 Apr 2013	Rs. 19,500/- (consolidated)	Essential Qualification 1. Minimum 10 th pass 2. Band Master/Band Major/Drum Major Course qualified at AEC Training College & Centre Pachmarhi. 3. Equivalent Naval/Air Force course. Desirable. Experience in Pipe Band.
(f)	General Employee (Regular) - 01	Between 18-50 years on 01 Apr 2013	Rs. 4440 - 7740/- Grade Pay Rs. 1300/-	Essential Qualification 1. Minimum 10 th pass 2. Experience in handling boys in the school.
(g)	General Employee Contractual - 06	Between 18-50 years on 01 Apr 2013	Rs. 9,800/- (consolidated)	Essential Qualification 1. Minimum 10 th pass 2. Person of Painter, book binding, vehicle mechanic, DG Set Mechanic, cobbler & Mess attendant trade and experience would be preferred.

2. Emoluments: -

(a) For Regular Posts. DA, Free accommodation, transportation allowance, medical allowance, LTC, Bonus, Pension under New Pension Scheme, subsidized education for two children, CSD and sports facilities etc.

be preferred.

- (b) For Contractual Posts. Consolidated pay (Band Pay+ Grade Pay+ DA rate applicable as on 01 April 2013), free accommodation, food at subsidised rates (free for Band Master) and CSD & sports facilities. Candidates below 40% in their academic qualifications need not apply
- 4. Application forms can be obtained from the school office within 14 days from the publication of this advertisement or can be downloaded from the school website www.ssgopalganj.com. The application forms along with attested copies of certificates and testimonials mentioning percentage from Matriculation onwards, a passport size photograph, bio data including telephone/mobile number/ email ID and crossed Bank Draft of Rs. 300/- for Ser (a) to (e) and Rs. 100/- for (f) & (g) (Non Refundable) drawn in favour of **Principal, Sainik School Gopalganj,** Payable at SBI Branch Narainia, Mirganj (Code-09212).
- 5. Last date of receipt of filled in application form in the School is within 21 days from the date of publication of this advertisement.
- 6. Any query can be clarified on School Office Telephone/Fax: 06150-231681. School will not be responsible for any postal delay.
- 7. Only short-listed candidates will be called for written test and interview. The list of short listed candidates called for written test and interview would be placed on the school website after **45 days** of the publication of this advertisement.
- 8. No TA/DA will be admissible for attending the Written Test and Interview.
- 9. The school administration reserves the right to cancel any vacancy/ vacancies due to any administrative/policy reasons. Principal

Sainik School Gopalganj EN 50/46

Government of India

Northern Region Farm Machinery Training and Testing Institute

(Ministry, of Agri., Deptt. of Agri. and Co-opn.) (Mechanization & Technology Division) Sirsa Road, Hisar

(Haryana) - 125001

Applications on plain paper are invited for the following post within 60 days from the date of its publication alongwith attested copies of certificates and photograph, mentioning the details such as: Name of the post, Name of Candidate (in block letters), Father's Name, Mailing Address, Nationality, whether SC/ST/OBC, Date of Birth, Educational Qualification, Technical Qualification, Details of experience if any, any additional information and Signature of the candidate. Govt. servants may apply through proper channel. Applications may be sent to the Director on the above

A P.A to Director:

- Name of the Post: P.A to Director on deputation
- Scale of Pay: 9300-34800+4200 GP
- 3. **Eligibility/ Experience**: Officers of the central Govt. holding analogous posts or Stenographer in the scale of Rs.5200-20200 +GP 2400 or equivalent post with eight years regular service in
- the grade. 4. Age limit: The maximum age limit for appointment by deputation (including short term contract) shall be not exceeding 56 years as on the closing date of receipt of applications.

'davp 10601/11/0064/1213**"**

LNJN National Institute of Criminology and Forensic Science

Institutional Area, Outer Ring Road, Sector-3, Rohini Delhi 110085

Applications are invited in the prescribed proforma from suitable persons for filling up the following posts in LNJN National Institute of Criminology and Forensic Science(MHA), Delhi as per details given below:-

Name of the post & pay scale : Private Secretary Rs. 6500-10500 (Pre-revised)

No. of posts: 02 Method of recruitment

plus/promotion:

(including short term contract) plus promotion] Eligibility conditions Composite method Deputation (including short term contract)

Composite method [Deputation

Officers of the Central/State Government/Union Public Sector Undertakings:-

(a) (i) holding analogous post in the Stenographer's grade on regubasis the parent cadre/department; or

(ii) with three years' regular service in the Stenographers' grade after appointment thereto on a regular basis in the scale of pay of Rs. 5500-9000 or equivalent in the parent

cadre/department; or (iii) with six years' combined service in the Stenographers' grade after appointment thereto on a regular basis in the scale of pay of Rs. 5500-9000 and Rs. 5000-8000 or equivalent in the

parent cadre or department.

Departmental Stenographer Grade 'B' (Personal Assistant) in the pay scale of Rs. 5500-9000 with three years regular service in the grade or combined regular service of six years in the grade of Stenographer 'B' and Stenographer Grade 'C' (Rs. 5000-8000) shall also be considered alongwith outsiders and in case he/she is selected for appointment to the post, the same shall be deemed to

have been filled by promotion. The departmental officers in the feeder category who are in the direct line of promotion will not be eligible for consideration for appointment on deputation. Similarly, deputationist shall not be eligible for consideration for appointment by promotion. Period of deputation (including short term contract) including period of deputation in another ex-cadre post held immediately preceding this appointment in the same or some other organisation/ department of the Central Government shall ordinarily not exceed vears. The maximum age limit for appointment by deputation (including short term contract) shall be not exceeding fifty six years as on the closing date of receipt of applications.

S.No: 2 Name of the post & pay scale : Senior Library Attendant Rs. (PB-1) Grade Pay 5200-20200

Rs. 2000/-

No. of posts: 01 Method of recruitment Deputation (including short term contract) or promotion

Eligibility conditions: As per details given below:

S.No: 3

Name of the post & pay scale Library Attendant Rs. 5200-20200

(PB-1) Grade Pay Rs. 1900/-No. of posts: 01

Method of recruitment Deputation (including short term contract) or promotion

Eligibility conditions: As per details given below: Note: The candidates who are

drawing higher pay may also apply but their pay will be regu-lated as per DoP&T OM No. 16/4/2012-Pav.I dated 5/11/2012 Officials holding analogous posts under Central Government or

Continued on page 25



Directorate of Groundnut Research (Indian Council of Agricultural Research) Ivnagar Road, PB No. 5, Junagadh-362 001, Gujarat, India

Phone: (0285) - 2673041, 2672461, Fax: (0285) - 2672550

Applications are invited from eligible persons for filling up the following posts.

SI.No.	Name of the post	Educational Qualification	Pay Band & Grade pay	Age	Total number of posts	SC	ST	ОВС	UR
1	Senior Technical Assistant (T-4)	achelor's degree in Biology or Life Sciences at 85.9300-34800 + GP4200		18-30 years Relaxable for OBC, SC as per GOI		01	00	00	02
2	Technical Assistant (T-3)	-do-	PB-1 RS. 5200-	rules. No age limit for ICAR employees	01	00	00	00	01

Essential Education:12th class pass or equivalent from a recognized Board or University. Professional efficiency: Passing examination of shorthand & typewriting in english conducted by any governmnt/recognised institutuin.The candidate will be given one dictation test in English at 80 WPM for ten minutes.The candidates will be required to transcribe the matter in 50 minutes on Computer. Desirable: Ability to type in Hindi. Age: 18-27 years Relaxable for OBC, SC as per GOI rules. No age limit for ICAR employees. Pay Band & Grade pay: PB-1 Rs. 5200 - 20200 + GP2400.

(1)The prescribed qualifications are minimum and do not entitle candidates to be called for written test and interview. Only shortlisted candidates will be called for test-interview. (2)The post is nongovernment under the Indian Council of Agricultural Research and will be governed by New Pension Scheme introduced by Govt. of India w.e.f. 01.01.2004.(3) A latest passport size photograph duly attested by a Gazetted Officer may be affixed on the application. (4) Crucial date for determining the age limit of candidate will be the closing date of receipt of application. (5) Candidates in service of the Central/State Govt./PSUs/Autonomous bodies etc. should apply through proper channel.(6)TA/DA is admissible for test-interview only to SC candidates as per rules.(7)Canvassing in any form will be treated as disqualification.(8)Applications should be made on plain paper giving complete bio data as per the pro forma and supported by attested copies of the certificates of qualifications and experience.(9)The sealed envelope super scribed "Application for the post of Technical Personnel" should reach the Director, Directorate of Groundnut Research, P.B. No. 5, Ivenagar Road, Junagadh-362 001, Gujarat on or before 26.04.2013 (5:00 p.m.) (10) Applications received after the due date for any reasons including postal delays will not be entertained.(11) Caste Certificate may be submitted in the latest prescribed proforma which is published along with the advertisement. (12) For different posts different application should be sent. (13) Candidate is required to furnish the details regarding nature of relationship if any,with the ICAR employees working at this Directorate, any other institute of the ICAR or at ICAR Headquarters failing which the application will be rejected.(14)Application format and form of caste certificate for SC may be downloaded from website

Website: http://www.nrcg.res.in

NCCS

EN 50/79



(Government of India) Ministry of Science & Technology
AWARD OF DBT-JUNIOR RESEARCH FELLOWSHIP (DBT-JRF)

IN BIOTECHNOLOGY (2013-14) (Co-ordinated by National Centre for Cell Science, Pune)

Applications are invited from Indian nationals for the award of "DBT-Junior Research Fellowship" (DBT-JRF) for pursuing research in frontier areas of Biotechnology and Applied Biology. JRFs will be selected according to merit under two categories: Category A and B. Category A fellowship (Top 100 in number) are tenable in any University / Institute in India where the students can register for Ph.D. Category B fellowships (175 in number) are tenable exclusively at the 71 DBT-Supported Teaching University / Institute running DBT-supported Masters programme, and 14 DBT Institutes, where the students can register for Ph.D. For further details please visit http://nccs.sifyitest.com/BET2013. Students can also visit NCCS website for details: www.nccs.res.in/dbtjrf.html

Students who have passed after Jan.1, 2012 or will appear (till August, 2013) for Masters in Biotechnology and Bioinformatics (M.Sc. / M.Tech. / M.V.Sc.), Molecular Human Genetics offered at BHU and Jiwaji University and Neuroscience offered at Jiwaji University, NBRC and TIFR, and B.Tech. Biotechnology (4-year course) recognized by UGC / AICTE are eligible for this award. The applicants should be below the age of 28 years for Open category and 33 years in case of SC / ST / PH and women candidates as of 28th February 2013. Candidates with 60% (55% for SC/ST/PH) of the total marks (equivalent in grade) are eligible.

DBT-BET entitles a candidate for fellowship subject to Ph.D registration of the candidate in a recognized university or Institute in the country within a year. At present, very few institutes or universities allow B.Tech to register for Ph.D. directly. Registration for Ph.D is candidate's responsibility and NCCS or DBT have no role in this.

DETAILS OF THE AWARD

The fellowship will be initially for a period of 3 years extendable for 2 more years based on performance. By the end of 2nd year the performance of JRF will be assessed and will be upgraded to SRF. The fellowship for JRF / SRF will be @ Rs. 16,000/- / 18,000/- per month + HRA as per host Institute norms, and a research contingency of Rs. 30,000/- per year.

The candidates will be selected based on a single session online admission test, "Biotechnology Eligibility Test" (BET) to be conducted on 21st April, **2013** at 10 AM in the following twelve cities

New Delhi, Kolkata, Guwahati, Hyderabad, Chennai, Pune, Bengaluru, Chandigarh, Lucknow, Patna, Thiruvananthapuram & Ahmedabad.

Candidates, only belonging to SC / ST / Physically challenged, called for BET examination will be paid II class railway (non-AC) / bus fare by the shortest route from their home town, on production of supportive documents of competent authority. The details of examination centres in above cities will be notified later on the website and on the Hall Ticket.

MODE OF APPLICATION

Candidates should register and apply online in the prescribed application form obtainable at the URL http://nccs.sifyitest.com/BET2013 starting on 25th February 2013. All the details about the application process and the examination are available on the web site. The last date for submission of online application form is 27th March, 2013. Stepwise procedure for filling the online application form, payment of application fees and uploading of required documents / certificates is given in the above said URL. An application fee of Rs. 500/- for Open and Rs. 250/- for SC/ST/PH categories is payable either online or offline as detailed on the web site for completion of application process. The application fee is non-refundable and non-transferable.

CO-ORDINATOR,

RAILWAY RECRUITMENT BOARD

S.C.O. 34, 2ND FLOOR, SECTOR 7-C, MADHYA MARG, CHANDIGARH-160019 Website: www.rrbcdg.gov.in

On the basis of Written Examination held on 22.04.2012 followed by Skill Test held on 12.01.2013 b this Board for the post of Stenographer/ Jr. Stenographer (Hindi) published through Employmen Notice No. CEN-08/2010, the candidates bearing following Roll Nos. have been found provisionally suitable for Candidature & Documents Verification (Subject to Fulfillment of eligibility conditions) These candidates are required to report to RRB/Chandigarh Office as per details given below with Original Documents viz Certificates and Marks-Sheets of Educational Qualification, Caste Certificate, Proof of Age, Coloured photographs (Passport Size) etc., along with two sets of self attested Photocopies of these certificates for verification. The candidates belonging to SC/ST and

of OBC candidates, the Caste Certificate should have a clause of non-creamy layer The Extra candidates are also being called for Candidature and Documents Verification over and above the number of vacancies, primarily to avoid shortfall in the panel. Such candidates should note that merely calling them for documents verification does not, in any way, entitle them to appointment

OBC should bring their original caste certificates in the prescribed format of the Central Govt. In case

VENUE: RRB/CHANDIGARH OFFICE

DATE: OF DOCUMENT VERIFICATION: 14.03.2013 REPORTING TIME: 09.00 Hrs

xxxxxxxxxxxxx xxxxxxxxxxxxx (Total = 06 only) Extra Candidate: 17108014000430 (One only) The Individual candidates are also being informed through separate letters. However, RRB will not be

responsible for the postal delay or wrong delivery, if any in case of non-receipt of letters, the candidate may contact RRB one day prior to the date of his/her document verification along with documents. The candidates who fail to turn up or report without proper documents, his/her candidature shall liable

While every care has been taken in preparing the above result, the possibility of any inadvertent error cannot be ruled out. The Board do not take responsibility for such errors and reserve the right to

IMPORTANT :- Candidates are advised to beware of fake Website which may be of misguiding nature. Candidates are also advised to Log on to only the authorized Website of Railway Recruitment Board and refer to Instructions published in Centralized Employment Notifications.

Date: 26.02.2013

"SERVICE WITH A SMILE"

(An Autonomous Institute of the Dept. of Biotechnology, Ministry of Science & Technology, Government of India) University of Hyderabad Campus, Central University Post Office, Hyderabad, Andhra Pradesh, India - 500 046 Website: www.niab.org.in; Tel. +91 40 2001 3900, +91 40 2001 4225,

Name of the Post	No of Vacancies	Pay Band & Grade Pay
Scientist- F	02(UR)	37400-67000 + 8900
Scientist- E	02(UR)	37400-67000 + 8700
Scientist- D	01(UR)	15600-39100 + 7600
Scientist- C Scientist- B	01(UR)	15600-39100 + 6600 15600-39100 + 5400
Technical Officer	02(01 LIR) (01 OBC)	9300-34800 + 4200

Please visit our website http://www.niab.org.in for detailed advertisement and application form.

of commencement of online applicatio 05-04-2013

Last date for receipt of online applications: Last date for receipt of printout of online applications:

EN 50/58

Sd/- DIRECTOR



JAWAHARLAL INSTITUTE OF POST GRADUATE MEDICAL EDUCATION & RESEARCH Dhanwantri Nagar, Puducherry - 605 006.

(Institute of National Importance under Ministry of Health & Family welfare)

Admn.I.1(22)/2013

Applications are invited from eligible officers from Organized Accounts Services / Organized Accounts Departments for filling up the One post of Finance & Chief

Accounts Officer in the Pay Scale of Rs.15600-39100+GP 6600/- (Pre-revised Rs.10000-15200/-) on Deputation basis at JIPMER, Puducherry. The format of the application and the details regarding age, qualification,

experience and other conditions of eligibility etc. for the post is available in the website: www.jipmer.edu.in The last date for receipt of filled in applications is 15.04.2013.

Director EN 50/74

DBT-JRF PROGRAMME, NCCS, PUNE - 411 007 EN 50/33

(ii) ITI (Fitter) or its equivalent or its equiva-

Sr. Admin Officer-II

EN 50/89

lent Defence Service Tradesman course

approved as such by the Central or State

12th Standard Pass from a recognised Board or University.

Note: The departmental Group 'C' employees who are in the grade pay of Rs. 1900 and 1800 respectively shall also be considered alongwith outsiders and in case he/she is selected for appointment to the post, the same shall be deemed to have been filled by promotion. The departmental officials in the feeder category who are in the

direct line to promotion will not be consideration for deputation. appointment Similarly deputationist shall not be eligible for consideration for appointment by promotion. Period of deputation (including short term contract) including period of deputation in another ex-cadre post held immediately preceding to this appointment in the same or some other organisation/ department of the Central Government shall ordinarily not exceed three years. The maximum age limit for appointment by deputation (including short term contract) shall be not exceeding fifty six years as on the closing date

above posts will not be permitted to withdraw their names after selection. Recommendations of names, which are not accompanied by the requisite bio-data and CR dossiers, will not be considered. 3. Applications of suitable officials,

2. Officials who volunteer for the

of the receipt of applications.

who are eligible and willing and who can be spared immediately on selection, may please be forwarded in Annexure-I, in duplicate, alongwith attested photo-copies of CR dossiers for the last five years, to Director, LNJN National Criminology Institute of Science(MHA),

within 60 days from the publication advertisement in the of this 'Employment News'.

Institutional Area, Outer Ring Road,

Sector-3, Rohini, Delhi - 110085

www.nicfs.nic.in **Administrative Officer ANNEXURE-I**

also visit our website

Bio-Data Proforma 1. Post applied for

2. Name and address (in block let-

May

- 3. Date of birth (in Christian era)
- Date of retirement under Central/State Government rules
- 5. Educational Qualifications
- Experience 7. Please state clearly whether in the
- light of entries made by you above, you meet the requirement of the post. 8. Details of employment, in chronological order. [Enclose a
- separate sheet, duly authenticated by your signature, if the space below is insufficient] 1. Office/Institute/ Organisation
- 2. Post held
- 3. From To
- 4. Scale of pay & last basic pay 5. Nature of duties
- whether ad-hoc or temporary or permanent. 10. Additional information, if any, which you would like to mention in support of your suitability for the post. Enclose a separate sheet, if the space is insufficient. 11. Whether belongs to SC/ST/OBC

9. Nature of present employment, i.e.

- 12. Remarks
- Signature of the candidate

Date: Tele. No. & Residential address Certificate to be given by the Head of Office/Employer of the

applicant 1. It is certified that the particulars furnished by the Officer are correct.

2. It is certified that no disciplinary/vigilance case is pending or contemplated against the applicant and he is clear from the vigilance angle. 3. His integrity is certified. 4. It is certified that no major or

minor penalties have been imposed on the officer during the last 10

(Head of Office/Employer) EN 50/71

Government of India Ministry of Defence **Department of Defence Production**

Directorate General of Quality Assurance Direct Recruitment of Labourer (SS) in Senior Quality Assurance Establishment (Armaments) Badmal, Distt- Bolangir, Odisha - 767070

CORRIGENDUM Ref: please refer this Estt. Letter No. BOL/2213/II Dated 26 Oct 2012 and EN 34/101 dated **24-30 Nov 2012** and advt no. davp 10203/11/0073/1213

2. The following amendment may kindly be note for the post of labourer

For: Para 1 (g) Qualification: Matriculation or equivalent "OR"

ITI pass from a recognized Institute. Read: Para 1(g) Qualification: (i) Matriculation or equivalent

Governments. 3. Rest all terms and conditions will remain the same as published earlier. 4. Candidate may apply, if they fulfill the above criteria within 21 days of publication of this advertisement. Those who have already applied in response to above reference and having fulfilling these criteria need not to apply again. (Deonis Tirkey)

davp 10203/11/0120/1213

(SS), 01-OBC:-

Government of India Deptt. of Defence Production (DGQA)

Senior Quality Assurance Establishment(Armaments) Hastings, Kolkata-22 Applications are invited from Indian Nationals for filling up the posts of Ex

(SK)-02, Packer(SS)-01 and Lab (SS)-01 a Central Service Group 'C' Non-Gazetted Industrial, Non-Ministerial Post from candidates fulfilling the following qualitative requirements:-Name of the No. of Reserved Scale of Pay

Post	vacancies	TOT	
Examiner (SK)	02	01 UR	PB-1 Rs.5200-20200
, ,		01 ST	Grade Pay Rs. 1900
Packer (SS)	01	01 UR	PB-1 Rs.5200-20200 Grade Pay Rs. 1800
Labourer (SS)	01	01 UR	PB-1 Rs.5200-20200 Grade Pay Rs. 1800

Place of work: SQAE(A) Hastings, Kolkata-700022 (i) Education Qualification: Matriculation or equivalent

Essential Technical Industrial Training Institute Certificate in Fitter or Electricals trade or its equivalent Qualification approved by Central or State Govt. or Defence Service Tradesman qualified. d) Experience: One year's experience in the respective field for Examiner

(SK) only e) Age limit: 18 to 27 years and 40 years in case of Govt. Servant relaxable by 05 years for SC/ST, 10 years for PH and 03 years for OBC in all cases f) Probation Period: Two years.

practical test.

Applications and Admit Card on the proforma given below on plain paper,

size) with PIN Code affixing with twenty two rupees postal stamps etc. should reach the Senior Quality Assurance Officer, Senior Quality Assurance Establishment (Armaments) Hastings, Kolkata-700022 within 21 days from the date of publication. The experience certificate must contain period with dates, name of the post held, salary drawn and nature of work done etc.

2. The selection of candidates will be based on Written Examination, Interview, Practical Test and Medical fitness.

pasted on admit card without attestation. No TA will be paid for the test.

6. Serving candidates should apply through proper channel with a certificate

from the HOE that no disciplinary/vigilance case is pending against them.

candidates is liable to be summarily rejected. 8. Candidates should write the 'Name of the Post' on the TOP of the envelope.

10. The crucial date for determining the age and eligibility shall be the closing/last date for receipt of the applications.

PROFORMA FOR APPLICATION

Employment Exchange Registration No. NCO Code No. __Date 1. Name of the candidate (in block letters): 2. Father's Name: size photograph duly

3. Whether belongs to SC/ST/OBC/PH/EXSM: (Attach necessary Certificates issued from etent Auth

5. Nationality 6.(a) Essential (Educational Qualification):

marks University Essential Tech (Educational Qualification): Exam Passed Division & % of Subject Name of Board/ Year

7. Professional Qualification, if any :

8. Experience, if any

Advertisement No.

ı	Name of Unit	Post	Perioa	Pay	Description of work	
			From	То		-
ı	9. Present Posta	al Addre	ss for co	rrespor	dence:	
	10. Any other re	levant ir	nformation	on :		



11010056

RAILWAY RECRUITMENT BOARD, PATNA **MAHENDRUGHAT, PATNA-4**

11020291 11020350

WRITTEN EXAMINATION RESULT & PROGRAMME OF TYPING TEST

As a result of written examination (Main) held on 22.01.2012 for the post of Commercial Apprentice, Enquiry-cum-Reservation Clerk & Clerk Gr.I, Category No. 01, 02 & 03 respectively notified under Employment Notice No. RRB/PAT/01/2005-06, candidates bearing the following Roll Nos. have been found eligible for Typing Test to be held on 28.04.2013. The result for the posts of Commercial Apprentice & Enquiry - cum - Reservation Clerk will be declared separately Call letters indicating the time and venue of the typing test are being despatched to the candidates individually.

The result is provisional subject to verification of original certificates and fulfilling the conditions laid down in the Employment Notice in respect of eligibility for the post. The Roll Numbers of the candidates have been arranged horizontally in ascending order. 11010158

11010749

11020186

11010218

11030010 11040171 11040262 11040097 11040230 11040259 11040438 11050058 11050083 11050218 11050326 11050342 11060182 11060235 11060085 11060283 11060424 11060433 11060709 11060801 11060805 11060733 11070334 11070398 11070205 11070349 11070381 11080158 11080168 11090082 11090398 11090399 11080409 11080458 11090088 11090153 11090412 11090648 11100001 11100284 11100443 11100670 11110040 11120428 11120527 11110149 11110350 11110447 11120088 11120149

11120558 11120568 11120654 11120690 11120695 11130470 11140079 11140163 11140235 11140244 11150213 11150308 11150376 11150396 11160008 11160042 11160208 11160265 11160048 11160080 11160095 11160394 11160490 11170097 11180017 11180268 11180803 11180547 11180583 11180838 11180946 11190134 11190210

11190235 11190261 11190238 11200028 11200074 11200430 11210146 11210378 11210391 11220007 11230249 11230330 11240272 11240362 11220198 11220267 11230018 11230175 11230208 11230519 11240186 11240219 11230433 11240265 11250180 11250190 11250276 11260094 11260115 11250267 11260024 11260213 11260238 11270005 11270016

11270037 11270048 11280020 11280079 11260616 11270067 11270092 11270312 11270387 11270343 11280410 11280411 11280431 11280590 11290089 11290129 11290165 11290277 11300224 11300248 11300252 11300254 11300304 11300393 11310039 11310302 11310307 11300479 11310042 11310287 11310297 11310354 11310351 11310378 11320038 11320220 11320229 11320265

11320364 11330084 11330111 11330234 11330362 11330420 11330440 11330451 11350261 11350283 11360094 11370083 11390196 11390369 11390482 11400159 11400208 11400225 11400418 11400455 11410260 11430248 11430517 11420183 11420335 11420343 11420379 11430246 11440050 11450079 11450081 11440087 11440258 11440428 11450154 11450419 11450258 11450394 11460028

11460038 11460348 11470446 11470469 11460445 11460615 11460628 11460944 11470284 11480028 11470526 11470579 11480077 11480135 11480330 11480436 11490074 11490254 11490479 11500024 11500264 11500364 11500506 11500510 11500554 11500738 11510035 11510067 11510289 11520109 11520197 11520221 11520377 11520442 11530069 11530153 11530172 11530523 11530707 11530243 11530321 11530389 11530417 11530512

11530952 11550072 11550147 11530927 11540023 11540230 11540260 11550263 11550289 11550344 11550495 11550522 11550561 11550590 11560025 11550650 11550795 11560024 11560083 11560320 11560377 11560715 11560553 11560641 11560699 11560758 11560780 11560919 11560931 11561185 11570156 11570173 11570267 11580192 11580222 11580383 11580393 11590216 11590228 11590587 11600055 11580246

11600274

12010443

12020586

12050632

12070286

12090616

12110297

12130336

12140482

12141054

12160121

12170453

12190190

12190695

12210430

12230323

12240318

12250507

12280010

12280493

12300304

12301072

12330078 12330516 12340058

12320070 12320196

11610074

12010480

12020768

12050633

12080035

12100106

12110298

12130826

12140668

12141093

12160146

12170571

12190274

12200026

12210447

12230326

12250550

12280066

12290199

12300550

12301199

12320211

11610151 11610218

12020320 12020325

12020872 12020920

12040210 12050011

12060519 12060567 12080166 12080497

12100361 12100460

12120293 12120304 12130856 12130881

12140872 12140889

12150002 12150185 12160243 12170001

12180038 1218007

12190427 12190496

12200088 12200096

12220238 12220294

12230349 12230352

12250116 12250166

12260022 12260055

12280119 12280190

12290218 12290414

12300634 12300653

12301269 12301354

12320228 12320262

12340282

11600134

12010392

12020359

12050406

12070117

12090412

12110216

12130231

12140146

12140936

12150515

12170394

12190172

12190688

12210419

12230167

12240293

12250278

12270400

12280338

12300209

12301015

NOTE: Eligible candidates are to qualify in a written test, interview and

GENERAL CONDITIONS

duly typed or neatly hand written, supported with attested copies of the relevant marks sheets/ certificate alongwith a self addressed envelope (23 x 11

1. The management reserves the right of short listing on reasonable grounds.

3. Passport Size Photographs pasted on the application will be duly attested by a serving Gazetted Officer and another photograph of same size will be

Candidates with higher qualification may also apply.

7. Canvassing in any form will be a disqualification and candidature of such

9. Incomplete or unsigned application and applications received without photographs or proper enclosures or received after due date will be summarily

11. Date, Venue and Time of the written test/Interview shall be intimated in

Name of the Post applied for :

4. Date of Birth (in Christian Era):

Exam Passed | Year Division & % of Name of Board/ Subject

University marks (Computer/Driving etc)

12310189 12320501 12330015 (Four hundred and seventy five candidates)

11600109

12010283

12020353

12050126

12060638

12090333

12110053

12120384

12140060

12140926

12150404

12170105

12190148

12190658

12200347

12230131

12250276

12270140

12280287

12300115

12300915

12010194

12020345

12050116

12060611

12090291

12100595

12120327

12130982

12140924

12150279

12170036

12180132

12190530

12200267

12220465

12230371

12250178

12260198

12280283

12290577

12300674

(i) The candidates should bring their own typewriter machines with them. RRB/ Patna will not provide typewriter machine in any circumstances and will also not be able to supply typewriter machine, if the machine brought by the candidate become defective. Accordingly candidates are advised to bring good quality typewriter machine with them. (ii) Electronic Typewriter machines are not allowed. (iii) The candidates are required to pass the typewriting test at the minimum speed of 30 words per minute in English and 25 words per minute in Hindi. While every care has been taken in preparing the above results, Railway

Recruitment Board, Patna will not be responsible for any typographical error and reserves the right to rectify the errors and omissions, if any. RRB/Patna regrets inability to entertain any correspondence from unsuccessful candidates This result is also available at our web site www.rrbpatna.gov.in. CHAIRMAN

Signature of the Applicant

(a) Sports Achievement (District / State Level) (b) NCC / NSS etc. **DECLARATION**

I do hereby declare that the statements made in this application are true, com-

attested by a serving

Gazetted Officer by

sianina on the photo-

graph & application

plete and correct to the best of my knowledge and belief. In the event of any information being found false or incorrect or ineligibility detected before or after test *i* interview, my candidature will stand cancelled and my claim for the recruitment will stand forfeited. Encl: Sheets Place:

ADMIT CARD

Date:

(On a separate sheet of paper in double space)

(Admit Card should be submitted in duplicate) (Serial No.1, 2 & 3 only to be filled by the candidates)

1. Name (In block letters): 2. Full address for communication (with pin Code):

3. Post applied for:

4. Date of Test / Interview:

5. Time of Test / Interview: 6. Venue of Test / Interview:

7. All documents/testimonials in original regarding Date of Birth, Category/ Qualification, experience etc. will have to be produced at the time of the test/ interview, failing which the candidature is likely to be cancelled.

Documents Checked by

davp 10203/11/0119/1213 EN 50/20

Affix recent

passport

size photo-

graph

Directorate General, BSF BLOCK NO.10, CGO Complex, Lodhi Road, New Delhi - 110 003

(Ministry of Home Affairs) No.I/62/2012-Pers/BSF

Subject:- FILLING UP OF THE POSTS OF ASSTT COMMANDANT (WORKS) & ASSTT COMMANDANT (ELECT) IN BSF ENGG SET UP ON **DEPUTATION BASIS**

1. Description of posts:

	oription or posts.		
S.No.	Post	Vac.	Pay Scale
1.	Asstt Comdt(Works)	05	Pay Scale PB:3 (Rs.15600 -
		(SC-02 &	39100) and Grade Pay of
		ST-03)	Rs.5400/-
2.	Asstt Comdt(Elect)	03	Pay Scale PB:3 (Rs.15600 -
		(SC-02 &	39100) and Grade Pay of
		ST-01)	Rs.5400/-

2. - For the details of the posts, its eligibility conditions and modalities of recruitment, please log on www.bsf.nic.in.

davp 19110/11/0415/1213

No. 1-5/2013-NRAA **Government of India**

Planning Commission National Rainfed Area Authority

NASC Complex, A Block, 2nd Floor, PUSA, New Delhi

Filling up of the posts of Technical Expert (Water Management) and Technical Expert (Watershed Development) in National Rainfed Area

- 1. National Rainfed Area Authority (NRAA) was established by Government of India on 3rd November, 2006 to provide much needed knowledge inputs regarding systematic upgradation and management of country's dryland and rainfed agriculture. NRAA is an advisory, policy making and monitoring body charged with the role of examining guidelines in various existing schemes and in the formation of new schemes. It shall bring about convergence and synergy among the numerous ongoing pro-grammes and shall advise, guide and monitor their progress. The Authority is a two tier structure. The authority is headed by Chief Executive Officer (CEO) in the rank of Secretary to the Govt. of India who is supported by five Technical Experts in the rank of Additional Secretary or Joint Secretary to the Govt. of India. As per the Business Allocation Rules. NRAA has been relocated from Department of Agriculture & Cooperation to Planning Commission.
- One post each of Technical Expert (Water Management) and Technical Expert (Watershed Development) is required to be filled up. In order to ensure the widest possible choice, it was decided that a cross section of Departments, Organisations and Authorities should be approached to seek nomination of candidates for the post. Accordingly it is,requested that you may kindly send nominations together with biodata and other information for the post of Technical Expert (Water Management) and Technical Expert (Watershed Development).
- The requirements of the posts of Technical Expert (Water Management) and Technical Expert (Watershed Development) in the Pay band (HAG) Rs.67000-79000/- or (Pay Band 4) Rs.37400-67000/- plus Grade Pay Rs 10.000/- are as under:
- (a) Age: The candidate should hold the office for a term of five years or up to the age of 65 years whichever is earlier. Those candidate who are less than 60 years age as on 10th April, 2013 may be given preference (b) Other requirements for Technical Experts;

(i) Technical Expert (Water Management)

Academic Qualification- Minimum Master degree in Science / M.Tech or good academic records from recognized equivalent with university/Institute. Higher Qualification such as Ph.D etc. will be pre-

Experience - Candidate should have at least ten years experience in a senior position in the field of water management.

Field of Specialization - Enhancing water productivity, improving water use efficiency in varying quality water, recycling of industrial and domestic affluent, ground water utilization, economic evaluation of water use and systems of application.

(ii) Technical Expert (Watershed Development)

Academic Qualification: - M. Sc. /M. Tech in Soil. Agronomy, Soil Physics. Soil and Water Conservation engineering or equivalent from recognized university/Institute. Ph.D and higher qualification will be preferred.

Experience - The candidate should have at least ten years field/ research experience in a senior position in the field of Soil Conservation and Watershed Management.

Field of Specialization :- Experience in mobilisation of communities. capacity building, participatory rural appraisals, alternative institutions, conservation of water, soil and vegetation, water harvesting' recycling and equitable distribution, devising activities for assetless, landless, women. Nominations / applications of suitable candidates along with their bio-data in the prescribed proforma may be sent to the address of Technical Expert (Admn.), A Block, 2nd Floor, NASC Complex, PUSA, Dev Prakash Shastri Marg, New Delhi-110 012. The last date for receipt of application nomination is 10.4.2013.

This communication alongwith the proforma is also available on our website at "www.nraa. gov.in."

Application format for the post of Technical Expert (Water Management)/ Technical Expert (Watershed Development) in the National Rainfed Area Authority

1. Reference / Advertisement No.:....

2. Name of Post:

4. Father's Name: 5. Date of Birth:

6. Service to which applicant belongs:

7. Present/ last drawn basic pay & scale: 8. Nationality: 9. Mailing address (with Tel./Mobile No. and E-mail address:

10. Permanent address:

11. Educational Qualification

S.No.	o. Course Subject Unive		University/	Year of	Division/						
			Institute	Passing	Class						
						П					

12. Work Experience

davp 54102/11/0002/1213

S.No.	Organisation /	Period From	Nature of	Remarks
	Institute	То	Work	
Date		•		(Signature)

Note: Please attach the detailed bio-data alongwith this.

EN 50/40

Passport size

photograph



National Scheduled Castes Finance & **Development Corporation (NSFDC), Delhi**

(A Govt of India undertaking)

1. THE CORPORATION

The National Scheduled Castes Finance & Development Corporation (NSFDC) was set up by the Government of India in February, 1989 under Section 25 of the Companies Act, 1956. The broad objective of NSFDC is to finance for the economic empowerment of persons including skill upgradation belonging to the Scheduled Caste families living below Double the Poverty Line. As on 31.12.2012, the Authorized Share Capital of the Corporation is Rs.1,000/- crore and Paidup Capital is Rs.779.80 crore.

2. The Corporation is looking for suitable candidates for the following posts On direct recruitment basis presently for its Headquarters at Delhi and Zonal Offices at Chandigarh, Bengaluru, Guwahati, Kolkata, Lucknow, Mumbai and Bhopal:

	ito i i	eauquarters at Deiri	i and Zonai Onices at Chandigani, bengaluru, Guw	anau,	, KOIr	∖aιa, ∟	ucki	iow, iviuitik	ai and briopai.
Pay Scale PB:3 (Rs.15600 -	SI.	Name of the	Minimum Qualification and Experience:	No.	of p	osts			Upper Age
39100) and Grade Pay of Rs.5400/-	No.	Post & Pay scale		sc	ST	ОВС	UR	Total	Limit as on 01.03.2013
ty conditions and modalities of	1.	Asstt. Manager/	Essential Qualifications:	-	-	-	1	1	32 Years
(Vikash Chandra) Dy Inspector General(Pers) EN 50/4		Asstt. Zonal Manager Rs. 16400-40500	PG Degree in Arts/Science/Commerce/Agri Sc./Vet. Sc./BE from a recognised University Desirable Qualifications: MBA/LLB Experience: Minimum 3 years Experience in the relevant field in the supervisory level post.						
^{ndia} mission	2.	Personal Assistant Rs. 11000-24350	Essential Qualifications: Degree in Arts/Science/Commerce from a recognised University	-	-	1	2	3	28 Years
rea Authority or, PUSA, New Delhi ert (Water Management) and			Speed of 100/40 WPM in Shorthand and Typing (English/Hindi) respectively: Experience: Minimum 3 years Experience in the relevant field.						
nt) in National Rainfed Area vas established by Government vide much needed knowledge and management of country's	3.	Junior Assistant Rs. 10600-23250	Essential Qualifications: Degree in Arts/Science/Commerce from a recognized University. Experience: Minimum 3 years Experience in the relevant field.	-	1	-	-	1	27 Years
an advisory, policy making and examining guidelines in various of new schemes. It shall bring the numerous ongoing promonitor their progress. The authority is headed by Chief cretary to the Govt. of India who	4.	Stenographer Rs. 10600-23250	Essential Qualifications: Degree in Arts/Science/Commerce from a recognised University. Speed of 80/40 WPM in Shorthand and Typing(English/Hindi) respectively: Desirable: One year Experience in the relevant field.	-	-	1	2	3	27 Years
the rank of Additional Secretary As per the Business Allocation Department of Agriculture &	5.	Clerk-cum- Typist/Data Entry Operator Rs. 10000-21100	Essential Qualifications: 12th pass from a recognised education Board. Speed of 30 WPM in Typing (English/Hindi) respectively. Desirable: Degree in Arts/Sc./Com./Familiarity	-	1	1	2	4	27 Years

Office/MS words/MS Excel etc. The scales shown above are based on Industrial Dearness Allowance (IDA) Pattern. In addition, allowances/perks and other entitlements including encashment of leave, LTC, medical assistance for self and family, CPF, Gratuity, Insurance scheme etc. as admissible

3. NATURE OF RELEVANT EXPERIENCE REQUIRED :-

i) For Post No. 1 (Asstt. Manager/Asstt. Zonal Manager): Preparation of Project profiles, formulation, scrutiny, appraisal, execution/implementation evaluation and monitoring of projects preferably of a developmental nature, disbursement of funds, impact assessment of projects on target groups/beneficiaries.

ii) For Post No. 2 & 4 (Personal Assistant & Stenographer): To take dictation and transcribe it, preparing draft documents

• Keeping record of incoming/outgoing files, papers, documents etc.

• Recording the minutes of the meetings held in the office of the reporting officers, as and when desired. Assisting the reporting officer in collecting data/information on various accounts from different Departments.

with the various computer packages like MS

iii) For Post No. 3 & 5 (Junior Assistant & Clerk-cum-Typist): Knowledge of Computer applications packages like MS Office. Processing of documents with inputs like highlighting important points/issues, reference to rules and regulations, eligibility etc. Maintenance of files and records, proper upkeep of office equipment's.

4. GENERAL INFORMATION: (i) Candidates employed in Govt., Quasi-Govt. and PSUs should apply through proper channel or produce 'NOC' from

their employer at the time of interview. (ii) Merely fulfilling the prescribed eligibility criteria will not vest any right in the candidate for being called for the test/interview. (iii) Outstation candidates called for interview will be paid ordinary 1st class/3rd AC return journey rail fare for the post at SI.1 above and for the posts at SI. 2 to 5 above, ordinary IInd class/sleeper class return journey rail fare will be paid only to SC/ST candidates on production of railway receipt/ticket. The journey should be performed through shortest route

from the nearest railway station of the residence of candidate to the place of interview. (iv) Maximum age is relaxable by 5 years in case of SC/ST and 3 years for OBC candidates as per Govt. directives. Relaxation in age will also be applicable to Physically Handicapped and Ex-Servicemen as per Government Rules/DPE Guidelines.

(v) Out of the total four in number posts of Clerk-cum-Typist/Data Entry Operator one post is reserved for differently abled persons with 'Hearing Impairment/HH Category.

(vi) For post no. 2 to 5 preference will be given to local candidates.

(vii) Incomplete applications or those received after the last date or sent without the requisite fee shall not be entertained. (viii) Only Indian Nationals are eligible to apply. Selected candidates are liable to be transferred to anywhere in India

depending upon the requirement. (ix) Canvassing in any manner shall entail disqualification of candidature.

(i) Candidate should send his/her application on the prescribed application format which is available on our website www.nsfdc.nic.in". Applications received other than the prescribed application format will not be entertained.

(ii) Non refundable Demand Draft of Rs.50/- for the posts at SI. 1 and Demand Draft of Rs.20/- for the posts at SI. 2 to 5, (exemption for SC/ST/PH & Ex-servicemen candidates), drawn in favour of NSFDC, Delhi, must be sent with the application. (iii) Attested copies of certificates of Date of Birth, Caste/Tribe/PH/Ex-servicemen (if applicable), experience and educational qualifications, should only be sent.

(iv) The envelope containing the application should be superscribed with the appropriate post applied for

(v) Applications complete in all respect should reach THE CHIEF MANAGER(HR), NSFDC, 14™ FLOOR, SCOPE MINAR, CORE '1' & '2', NORTH TOWER, LAXMI NAGAR DISTRICT CENTRE, LAXMI NAGAR, DELHI - 110 092, within 30 days of the issue of this advertisement.

(vi) Candidate desirous of applying for more than one post should send his/her applications separately in the separate envelope superscribing the name of post applied for along with the regisite application fee.

DIHAR Corrigendum

Refer Adv No: DIHAR/HRD/13/01 in **Employment News dated**

23 February, 2013 & Adv No: DIHAR/HRD/13/02 in Employment News dated 16 February 2013.

It may please be noted that offer of Fellowship does not confer on Fellow any right for absorption in DRDO.

The date of Walk in Interview for Adv No: DIHAR/HRD/13/01 & Adv No: DIHAR/HRD/13/02 has been postponed to 21 March 2013.

davp 10301/11/0686/1213

DIHAR EN 50/21



HRM Department

Corrigendum

RECRUITEMNT OF 26 LAW OFFICERS IN THE BANK IN SCALE-I

The following column regarding 'AGE' is substituted by amended column -**OLD CLAUSE** AMENDED / SUBSTITUTED CLAUSE General - Min 21 and Max 30 General - Min 21 and Max 35 years as on 31.12.2012. Relaxation in age for

years as on 31.12.2012. Relaxation in age for SC/ST, SC/ST, OBC & PWD candi-**OBC & PWD candidates** dates and Ex-Servicemen as per and Ex-Servicemen as per **Government Guidelines Government Guidelines**

Candidates who are fulfilling maximum age criteria upto 35 years as on 31.12.2012 may apply within 15 days from publication of this advertisement. Candidates who have already applied in response to the advertisement need not apply again. **Deputy General Manager**

HRM

North Central Railway intends to engage 11 (Eleven) full-time Contract Medical

) Specialist/General Dur r details given below:-	ity Docto	rs on Contract basis for a duration
S. N.	Posts (Specialist/ GeneralDuty)	Qualification	No. of Post	Place
1.	General Duty	M.B.B.S.	01	Health Unit/Aligarh
2.	Physician	M.B.B.S., MD	01	Central Hospital/Allahabad
3.	General Duty	M.B.B.S.	02	Health Unit/Workshop/Jhansi
4.	General Duty	M.B.B.S.	02	Divisional Hospital/Jhansi
5.	Radiologist	M.B.B.S.,PG Degree (Radiology)	01	Divisional Hospital/ Jhansi
6.	General Duty	M.B.B.S.	01	Health Unit/Gwalior
7.	General Duty	M.B.B.S.	01	Health Unit/BAAD
8.	General Duty	M.B.B.S.	01	Health Unit/Agra Fort
9.	General Duty	M.B.B.S.	01	Sub Divisional Hospital, Tundla
		Total =	11	

Reservation will be as under:-ST-02 OBC-02

days and come prepared accordingly.

remuneration payable to the CMP.

Date, Time & Venue of Walk-in-Interview : Conference Hall, General Manager Office Complex, Subedarganj, Allahabad on 30.04.2013 (Tuesday) from 10.00 A.M. for other than retired railway doctors & on 01.05.2013 (Wednesday) from

General-05

Total=11

10.00 A.M. for retired Railway doctors. Note:- (i) Candidate must submit their applications in duplicate copies on the prescribed and enclosed proforma latest by 9.30 A.M. on 30.04.2013 (for other than retired Railway Doctors) and by 09.30 AM on 01.05.2013 (for retired Railway Doctors).

(ii) It is made very clear that no applications from other than retired Railway Doctors will be accepted on 01.05.2013.

(iii) In case the No. of candidates in any particular categories i.e. other than retired

Railway doctors or retired Railway doctors is more and they cannot be interviewed on the nominated day, they will be interviewed on the next working day/days. As such the candidates should make their own stay arrangement for a period of 2-3

Remuneration for other than retired Railway doctors:- Rs.39,400/- for General Duty Doctor and Rs.46,800/- for Specialist Doctors per month, fixed if Govt. accommodation is not provided. If Railway accommodation is provided an amount equivalent to the sum of House Rent Allowance and License Fee of the accommodation provided will be deducted. Remuneration for retired Railway Doctors: Rs. 46,000/- per month fixed (subject to the condition that remuneration + pension drawn by retired Railway doctor

should not exceed the last pay drawn), if Govt. accommodation is not provided.

If Railway accommodation is provided an amount equivalent to House Rent

Allowance payable to a fresh entrant to Group 'A' Jr. Scale and license fee of the

Railway accommodation so provided shall be deducted from the monthly

Age for other than retired Railway doctors:- Candidate should not have completed more than 50 years as on 01.01.2013. However, age relaxation of 5 years for SC/ST and 3 years for OBC candidates is admissible. Age for retired Railway doctors:- Candidate should not have completed more

than 65 years as on 01.01.2013. Terms and condition of other than retired Railway doctors:- The engagement

of Doctors would be on contract basis initially for a period of one year which is extendable on annual basis upto a period of 08 years as per administrative

requirements on the basis of assessment of performance of CMPs. However, the services of these doctors can be terminated before the expiry of one year on either

side after giving 15 days notice. Railway Administration will be at liberty to terminate

the contract of the doctor with immediate effect by paying Honorarium in lieu of 15

days notice period if the circumstances so warrant. The services rendered as

contract doctor is a stop gap arrangement and will not have any bearing in respect

of consideration of their period in case of regular selection through UPSC. It will

also not confer any right for regularization or permanent absorption in the Railways. No private practice is allowed. Terms and condition of retired Railway doctors:- The engagement of retired Railway doctors as CMPs shall be for a maximum of two terms of one year each and for each term of one year, a fresh contract shall be entered. The contract shall

be entered into for a period of one year or less from the date of entering into the contract. Period of contract shall not be extendable on any grounds. However, the Railway administration shall reserve the right to enter into fresh contract with the retired Railway doctors for another term. The engagement shall purely be on contract basis for a period of one year or till the regular incumbent joins or attaining the age of 65 year whichever is earlier. The retired Railway doctor engaged as Contract Medical Practitioner shall not have any claim or right for his/her continuity

contract, the CMP shall be at liberty to terminate the contract for betterment of his/ her career or on any other grounds by giving 15 days notice to the Railways. The Date: contract can also be terminated by the Railways at any time during the contract by giving 15 days notice without assigning any reason whatsoever. Contract shall **Government of India**

Ministry of Consumer Affairs, Food & Public Distribution

Department of Food & Public Distribution

in service or automatic extension of the term of contract. During the validity of the

Indian Grain Storage, Management & Research Institute

No. A-12021/2/E/IGMRI/94

1. Designation of Post

Rs. 9300-34800 GP Rs. 4200/-

2. Place of posting

3. No. of posts

Post Box No.- 10, Hapur-245101 Tel. 0122-2316601,2316553®, 2316618, 2316648 FAX-0122-2316601

Services of suitable candidates are required for the post of Assistant Group

'B' Non Gazetted in the PB.-II Rs. 9300-34800/- plus GP Rs. 4200/- in the Office of the Director, Govt. of India, Ministry of Consumer Affairs, Food and Public Distribution, Dept. of Food and Public Distribution, Indian Grain Storage Management and Research Institute, Meerut Road, Hapur(U.P)-245101 on transfer on deputation basis as per details given in Annexure-I. The pay of the Officer selected to the post will be regulated in

accordance with Min. of Finance, Govt. of India OM No.1(11)/E/3(B)/75 &

Department of Personnel & Training OM No.2/12/87-Estt.(Pay-2) dated 28.4.1988 as amended from time to time. The application routed through

proper channel in duplicate in the prescribed Proforma given in Annexure-II and must be accompanied by the complete and up to date ACRs for the last five years with vigilance clearance certificate within 60 days from the date of publication of this advertisement. Application must be sent to the **Director**, **Indian Grain Storage Management** & Research Institute, Meerut Road, Hapur (U.P)-245101 by Registered/speed post only.

The applicants will not be permitted to withdraw their applications and the application of the officer who is willing/eligible and can be relieved immediately on selection be forwarded by the Office/Department concerned. (Dr. S. Gupta)

Assistant

-One

-Hapur (U.P)

Director

ANNEXURE-I

4. Classification of post & Pay scale-Gp. 'B' Non Gazetted PB-II

also be terminated if the CMP is found to be mentally or physically incapacitated.

No private practice is allowed.

Note:- (i) The contract Doctors shall not be entitled for Railway quarter etc. as a matter of right. However, if available, they will be provided accommodation. The detailed instructions with regard to their duties while on contract with the Railways shall be given to them in the event of their selection along with the offer of engagement. (ii) Willing candidates should bring their application form along with Original and

Attested copies of all Certificate & Mark Sheets, duly filled up on the prescribed format with them. No TA/DA is admissible for this interview. (iii) The offer of engagement to the selected candidates shall be issued subject to the availability of vacancy as per requirement in Hospitals/Health Units located at different station on as is where is basis. Any subsequent request for a change of station shall not be entertained. However, administration has right to change the

place of posting as per administrative needs. The CMP Specialist Doctors so

selected shall also have to carry out general duties as and when required by

(iv) If specialists are not found on the post, the post will be filled up by General duty

(v) The places of notified vacancies may be changed as per requirement. (vi) The notification can be downloaded from N.C. Railway website www.ncr.indianrailways.gov.in

Railway Administration besides their speciality work.

Medical Practitioners.

Permanent address:.

M.B.B.S. Part I

M.B.B.S. Part II

M.B.B.S. Part III

PG (Kinldy indicate

Aggregate % in M.B.B.S.

Application format for retired railway doctors/other than retired Railway doctors (Kindly indicate).....

Application for the post of Specialist or General Duty Doctor (Kindly indicate):..... The General Manager (P) Headquarters Office, North Central Railway,

Latest passport Subedarganj, Allahabad. size photograph 1. Name (In block letters).... 2. Father/Husband's Name (in block letters)..... duly self attested

4. Postal Address (with DOT phone & Mobile No., if any)..... 5.Date of birth:......Age as on 01.01.2013 (........Days.......Months......Years) 6. Category to which belongs i.e. SC/ST, OBC, UR (Please write).....

8. Have worked in Railway as a CMP over Indian Railways, if yes, give details (To be filled up by other than retired Railway doctors only) ... 9. Educational/Professional Qualifications:

College/University

High School/Equivalent Inter Mediate/Equivalent

discipline)..... 10. Registration No. of Medical Council......State..... 11. Experience, if any......

One recent passport size photographs Certificate indicating the Date of Birth (High School/Equivalent certificate) M.B.B.S. Degree with marks sheets (All parts) and Certificate of any higher

12. Attested documents required along with the original are as under:-

applied for General Duty Doctors) Mark sheets and Certificate of PG along with M.B.B.S. Degree with marks sheets of all parts (For the candidate applying for Specialist Doctors) House job certificate, if any

vi) Certificate in support of caste in case of SC/ST & OBC issued by the appropriate

Medical Qualifications, if any, of Recognized University. (For the candidates

vii) Medical Council Certificate

ADVT NO.01-2013/JRF-SRF-RA/DIAT(DU)

viii) Internship Certificate ix) Attested copy of Pension Payment Order (PPO) in case of retired Railway

I hereby declare that all the statements made in this application are true.

complete and correct to the best of my knowledge and belief. I understand that in the event of any information given herein, if found false or incorrect or concealed the contract will liable to be terminated and any civil/criminal legal action can be taken against me for this. I understand that I am not eligible for any TA/DA for this interview. Place: Signature of the Candidate

DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY

(Deemed University), Girinagar, Pune-411 025 ISO 9001 Certified Institute An Autonomous Organisation fully funded by Department of Defence Research & Development, Ministry of Defence (Telephone No. (020) 24304037/24304035/24389550)

A 'Walk-in-Interview' will be held at this Institute on 26th March 2013 at 1000 hrs for selection of suitable candidates for the positions of JRF, SRF, & RA in a DRDO Sponsored project entitled "DRDO-DIAT programme on Nano-materials". The positions are temporary and it is initially for a period of 03 years. It may please be noted that offer of Fellowship does not confer on the Fellows any right for absorption in For further details/eligibility conditions for selection, please visit the Institute's Website www.diat.ac.in EN 50/37

5. Eligibility conditions-Transfer on deputation from Upper Division Clerks with 3

6. Period of deputation - Initially for a period of 2 years which may be curtailed or extended as per requirement of the office. ANNEXURE-II 1. Name (in capital letters) 2. Designation

vears regular service under Govt, of India in the PB-I Rs, 5200-20200 plus GP

Rs. 2400/- and having experience in Accounts/Establishment & budget matters.

- 3. Educational qualification
- 4. Experience
- 5. Date of birth 6. Date of joining Govt. service
- 7. Date from the working in the present grade
- 8. Date of retirement 9. Name of the organization/office where employed

(Signature of the applicant) Certificate to be recorded by the Employer (1) Certified that particulars of the applicant have been verified from the service records and found correct. It is cer-

tified that no disciplinary proceeding either pending or contemplated against the

officer. Integrity of the officer is also certified. Signature of head of office with seal EN 50/45 Government of India Ministry of

Communications & IT Department of

Telecommunications

National Institute of **Communication Finance** Ghitorni, New Delhi-110047 No: 1-4/DG/Establishment/2012-NICF Filling of the posts of Sr. Communication Accounts Officer CAO)/ Communication Accounts Officer (CAO), Asstt. Communication Accounts Officer (ACAO), Sr. Accountant and Jr. Accountant on deputation basis.

National Institute Communication Finance proposes to fill up 27 posts of Sr. Communication Accounts Officer CAO)/ Communication Accounts Officers (CAO), Asstt. Communication Accounts Officers (ACAO), Sr. Accountant and Jr. Accountant in the Office of the

Director General, NICF, Ghitorni, New Delhi and Ghaziabad from amongst the regular officers workvarious Ministries/ Departments/PSUs of Government of India purely on deputation basis. 2. The eligibility conditions for selection to the posts of Jr. Acctt., Sr. Acctt., ACAO and Sr. CAO/CAO are given in the Annexure- 'A'. 3. The period of deputation will ini-

tially be for three years. The pay, terms & conditions of deputation of the officers selected shall be regulated in accordance with Deptt. of Per. & Trg. OM No. 2/29/91/establishment (pay-II) dated 05.01.1994 as amended time to time. 4. The departmental officers in the feeder category who are in the direct line of promotion shall not be eligible for consideration for

on

Similarly, deputationist shall not be

eligible for consideration for

appointment by promotion. The

period of deputation including peri-

od of deputation in another ex-

deputation.

appointment

cadre post held immediately preceding this appointment in the same or some other organisation/ department of the Central government shall ordinarily not exceed three years. 5. The head of the departments, are requested, to forward the applications of only those eligible & willing applicants who can be spared on their being selected. No withdrawal after their selection on deputation

will be entertained. Personal data

may be sent (i) in the given

Proforma (Annexure-'B'), (ii) along

with attested copies of ACRs for the

previous 5 years and (iii) Vigilance/ disciplinary Clearance Certificate to the undersigned by name so as to reach positively by 31st March for Sr. Accountant/Jr. Accountant and by 15th April 2013 in case of Sr. CAO/CAO/ACAO. 6. The deputation of BSNL staff will be governed in accordance with DoT letter No. 34-08/2001/SEA-Vol. II dated 10.01.2012 regarding

Engagement of BSNL staff in CCA

Officer,

(Kashi Nath Jha)

Director, NICF 011-26502459 (O) 011-26501881 (F) Annexure- 'A' The eligibility conditions for appointment of Jr. Accountant, Sr.

Accountant, Asstt. Communication Accounts Communication Accounts Officer/ Communication Accounts Officer on deputation basis as under:-

Offices.

1. Name of the Post: Jr. Accountant, Sr. Accountant, Asstt. Communication Accounts Officer, Sr. Communication Accounts Officer/ Communication Accounts Officer (P&T Accounts & Finance Service), Gr. 'C' and Gr. 'B' (Gazetted) in the O/o Director General, National Institute of Communication Finance. 2. Place of Posting: New Delhi and Ghaziabad

3. Pay Band: Rs. 5200-20200 &

GP: Rs. 2800 (Jr. Acctt.) Rs. 9300-34800 & GP: Rs. 4200,

4800 & 5400 {Sr. Acctt, ACAO & Sr. CAO/CAO)

4. Eligibility: (a) Official/Officers under the Central Government Continued on page 28

12th April, 2013

BHASKARACHARYA COLLEGE OF APPLIED SCIENCES

(UNIVERSITY OF DELHI)
SECTOR-2, PHASE-I, DWARKA, NEW DELHI-110075, Telefax: 25087597

l A	Applications on the prescribed form are invited up to 2nd April 2013 along with application fee of Rs.100/ - for the following posts in the college.									
	S. No.	Name of the post and scale of pay	Nature of the post	Total No. of posts	UR	sc	ST	овс	Pay Band & Grade Pay	Age Limit
	1.	Computer Programmer	Permanent	01	01	0	0	0	₹ 15600-39100+GP₹ 5400	45 years
	2.	Scientific Assistant	Permanent	01	01	0	0	0	₹ 5200-20200+ GP ₹2800	30 years
	3.	Mechanic/Gas	Permanent	02	02	0	0	0	₹ 5200-20200+ GP ₹2800	30 years
	4.	Laboratory Attendants	Permanent	11	04	02	03	02	₹ 5200-20200+ GP ₹1800	30 years

Details regarding prescribed Educational Qualification, Experience, Age Limit, etc. and the application form is available on the college website bcas.du.ac.in.

EN 50/49

Continued from page 27

(A) For the posts of JA [Junior Accountant1

- 1. Officials holding same/analogous posts in various ministries/departments of Central/State Govt./PSUs on regular basis, or
- 2. LDCs who have rendered not less than eight years of regular service in the grade, or
- 3. UDCs who have rendered not less than three years of regular service in the grade

(B) For the post of SA [Senior Accountant1

1. Officials holding same/analogous posts in various ministries/departments of Central/State Govt./PSUs on regular basis, or JA/Auditors who have rendered

not less than three years of regular

service in the grade. (C) For the post of ACAO Communication [Assistant Accounts Officer]

- 1. Officials holding same post in various ministries/departments of Central/State Govt./PSUs on regular basis
- Officials who have qualified in SAS or equivalent and working as **JAOs** (D) For the post of Sr. C.A.O/

C.A.O. [Sr. Communication Accounts Officer/ Communication Accounts Officer

1. Officials holding same in various ministries / departments of Central/

State Govt./PSUs on regular basis 2 Officers who are working as AAOs and having service of more than 5 years on regular basis in that

(E) Maximum age limit for appointment by deputation shall not exceed 56 years as on the closing date of receipt of applications. (F) Working knowledge of com-

puters The applicants to all the above

posts should have sufficient exposure to basic working knowledge on computers in all the modules of MS Office including the knowledge of Internet to send/receive e-mails.

Annexure 'B'

APPLICATION FORM 1. Name of the official

- 2. DOB
- 3. Educational Qualification 4. Present Post held/Date from
- which working 5. Unit in which working [specify
- Ministry/Dept]
- 6. Present Pay
- 7. Working Experience including extent of working with computer 8. Service particulars from the date
- of initial appointment (along with brief of duties performed)

Declaration 1. I, hereby declare that my posting

- on deputation as in the Dept. of Telecom shall not derive any right to me to claim seniority in the said post in respect of the services rendered by me on deputation. 2. I will not claim absorption in the
- DoT in the said post. 3. I am liable to be repatriated to my
- parent organisation for any inaccuracies in the details noted above or for contravention of any provisions in the rules/orders governing the deputation. Date:

Place: Signature of the applicant

CERTIFICATE TO BE **OFFICE WHILE FORWARD-**

RECORDED BY THE HEAD OF ING THE APPLICATION

1. Certified that the particulars given by the applicant are true and

NATIONAL HOUSING BANK

(Wholly owned by the Reserve Bank of India) Head Office: Core 5-A,4th Floor, India Habitat Centre, Lodhi Road, New Delhi-110 003

Recruitment of Officers in Junior Management Grade Scale I (Assistant Managers)

National Housing Bank is the apex Financial Institution in the country for housing, set up under an Act of Parliament and is a wholly owned subsidiary of Reserve Bank of India. The Bank is the regulator for Housing Finance Companies as also a significant provider of development finance. The Bank seeks to catalyze institutional funds to reduce housing shortage in the country through various development initiatives particularly rural housing and housing for economically weaker sections in urban areas. The Bank is mandated for the holistic development of the housing finance market in the country. The Bank is an officer oriented, professionally managed institution with headquarters in Delhi and offices in Mumbai, Hyderabad, Bangalore, Chennai, Lucknow, Patna and Bhopal with plans to open a few other offices in the country

operations through research and analysis and adopting contemporary work practices and technology. The Bank has embarked on a number of path breaking initiatives which has attracted national and international attention. The Bank offers a modern, congenial, professional work environment and career opportunities for qualified, energetic, sincere men and women. To meet the new challenges NHB requires talented and committed young professionals in junior management cadre. Candidates are advised to apply ONLINE from 15.03.2013 to 02.04.2013 only, through Bank's web site

over the next few months. The Bank seeks to promote excellence in its

www.nhb.org.in after carefully going through all the instructions contained in this application and general instructions given in this advertisement. No other means/ mode of Application will be accepted. Important Dates

Opening of Online Registration Gateway

Closing of Online Registration Gateway	02.04.2013
Date of Online Examination	05.05.2013
Candidates may download their Call letter fro	m the web site from
25.04.2013 to 05.05.2013 (i.e. till the date of exa	mination) onwards by

entering their registration number and password Name of Posts **Post** No. of Reserved

code vacancies (Starting Basic) # Gross emoluments (p.m.) at minimum of pay scale OBC SC Assistant Manager (General) - Scale I 12 14500-600/7-18700-700/2-20100-800/7-25700 (Rs. 14,500/-). Rs. 27365/- approx TOTAL

The total number of vacancies mentioned above are provisional and may vary

depending upon actual requirement of the Bank. NHB reserves the right to draw wait lists of candidates and consider such wait listed candidate(s) for meeting actual requirement. Besides emoluments as per the pay scale given above, all the posts indicated above will carry other facilities like pension under new Pension Scheme, gratuity,

leave fare concession, reimbursement of medical expenses, reimbursement of vehicle maintenance expenses / allowance, vehicle loan, housing loan etc. as per the Bank's rules. Unfurnished Bank's residential accommodation may also be provided at the discretion of the Bank subject to availability of accommodation on payment of license fee as determined by the Bank from time to time.

The detailed advertisement is available on the Bank's website: http://www.nhb.org.in

National Backward Classes Finance & Development Corporation (A Govt. of India Undertaking) **EMPLOYMENT NOTICE**

NBCFDC, a Government of India Undertaking under the aegis of Ministry of Social Justice & Empowerment, under the Companies Act, 1956 as a Company of section 25 Company with an objective to promote economic and developmental activities for the benefit of Backward Classes living below double the poverty line, invite applications from eligible candidates to fill up following posts on direct recruitment/ deputation basis:

S. No.	Name of Post	Scale of Pay (Revised IDA)	No. of Post
1.	General Manager (P & A) (E-7)	Rs. 43,200 - 66,000 (IDA)	01
2.	Dy. General Manager (Finance) (E-6)	Rs. 36,600 - 62,000 (IDA)	01
3.	Chief Manager (Finance) (E-4)	Rs. 29,100 - 54,500 (IDA)	01
4.	Chief Manager (Project) (E-4)	Rs. 29,100 - 54,500 (IDA)	01
5.	Chief Manager (Marketing) (E-4)	Rs. 29,100 - 54,500 (IDA)	01
6.	Systems Analyst (E-4)	Rs. 29,100 - 54,500 (IDA)	01
7.	Hindi Translator (N-5)	Rs. 11,000 - 24,350 (IDA)	01
Note:	For application form and other de	tails of Pay Scales, eligibilit	y criteria etc

please log on www.nbcfdc.org.in Completed applications in all respects should reach NBCFDC within 21 days of publication of this advertisement. The Management reserves the right to accept or reject any application without

assigning any reason. EN 50/76

have been verified from the service records. 2. The applicant, if selected, will be

- relieved immediately. 3. Copies of ACR/APAR for the last
- five years are enclosed. 4. No disciplinary/vigilance case is pending or contemplated against the
- official. There is nothing against the applicant which makes him/her ineligible for consideration for appoint-

ment to the post applied for. No major/minor penalty is in force or current against the official. 5.Recommendations:

Date: Place:

Signature of the Head of office with office seal and Telephone no.

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EN 50/10

FOREST RESEARCH INSTITUTE (DEEMED) UNIVERSITY

DEHRA DUN - 248 195

(Under Sec 3 of the UGC Act 1956) (vide Notification No.F.9-25/89-U.3 dated 6-12-1991) ADMISSION ANNOUNCEMENT-2013

I. MASTER OF SCIENCE COURSES

Last date of Form Submission

Date of Online Admission Test 2013 : 12th May. 2013 The dates may be changed at the discretion of the university authorities.

a) M.Sc. Forestry (38 Seats): Eligibility: Three years Bachelor's degree in science with at least one of the subjects namely Botany, Chemistry, Geology, Mathematics, Physics, Zoology or a Bachelor's degree in Agriculture or Forestry. b) M.Sc. Wood Science & Technology (38 Seats): Eligibility: Three years Bachelor's degree with Physics, Mathematics and Chemistry or B.Sc. degree in Forestry. c) M.Sc. Environment Management (38 Seats): Eligibility: Three years

Bachelor's degree in any branch of basic or applied Sciences or Bachelor's Degree in Forestry or Agriculture or BE/B. Tech in Environment Science. d) M.Sc. Cellulose & Paper Technology (20 Seats): Eligibility: Three years Bachelors degree in Science with Chemistry as one of the subjects or BE/B.Tech. (Chemical or Mechanical Engineering). The 2nd year of this course is likely to be

conducted at Central Pulp & Paper Research Institute (CPPRI), Saharanpur, II. PERCENTAGE OF MARKS (in the qualifying examination): For (a) (b) (c) & (d) Candidates having 50% or above marks in general category and 45% marks for Scheduled Castes/Scheduled Tribes may apply.

III. CENTRE OF EXAMINATION: (In 38 Cities) Online Admission Test would be held at Uttarakhand (Dehradun, Haldwani, Garhwal); Delhi (New Delhi); West Bengal (Kolkata); Madhya Pradesh (Bhopal, Jabalpur); Uttar Pradesh (Lucknow, Allahabad, Agra, Meerut); Himachal Pradesh (Shimla); Karnataka (Bangaluru); Gujarat (Ahemdabad, Baroda); Maharashtra (Mumbai, Pune); Kerala (Trivandrum, Thrissur); Assam (Jorhat, Guwahati); Rajasthan (Jodhpur, Jaipur); Tamilnadu (Coimbatore, Chennai);

Sambalpur); Andhra Pradesh (Hyderabad); Manipur (Imphal); Mizoram (Aizawl); Chattishgarh (Raipur). IV. RESERVATION: Out of the above, following seats are reserved for: (a) SC and ST: 15% and 7.5% respectively (b) Reservation to OBC: will be provided as per the policy of GOI (c) Handicapped (without mobility restriction & partial

Jharkhand (Ranchi); Bihar (Patna, Muzaffurpur); Haryana (Gurgaon,

Chandigarh); Punjab (Jalandhar, Ludhiana); Orrisa (Bhuvneshwar,

deafness): One seat in two courses M.Sc. Forestry, M.Sc. Environment Management (d) ICFRE Employee: 5 seats in M.Sc. Environment Management. V. HOW TO APPLY: Students can download the application forms from the website http://fri.icfre.gov.in, which are in MS-Word format or apply online.

Completed application forms alongwith a Bank Draft of Rs. 1200/- (Rupees Twelve hundred only) payable at Dehradun in favour of Registrar, FRI (Deemed) University is to be sent at "EXON SOLUTIONS PVT LTD, E-2/5, 2 nd Floor, Malviya Nagar, New Delhi-110017". Exon Solutions is an authorized agency for collection of forms and Demand drafts for FRI (Deemed) University. Please also mention the name of course'(s) applied for, on the envelope. Provision of Online Registration is also available on the website. Admission Test will be Online Computer based.

Fee for Registration:- Rs. 1200/- (Rupees Twelve hundred only for each course). A candidate wants to apply for one or more courses has to submit fee accordingly (Rs. 1200/- for each course). **REGISTRAR** FRI (DEEMED) UNIVERSITY EN 50/53

15.03.2013

0135-2751826, 2224495 & 2224439

HIGH COURT OF GUJARAT, SOLA, AHMEDABAD

RECRUITMENT OF LEGAL ASSISTANTS No. RC/1320/2013

The High Court of Gujarat invites 'On-line Applications' from the Candidates with Degree in Law, for filling up 11 (6 existing + 5 future) posts in the cadre of Legal Assistants on the establishment of this High Court, on purely ad-hoc and contractual basis, on a fixed remuneration of Rs.15,000/- p.m., initially for 11 months (extendable on periodical basis upto a maximum period of 3 Years). The 'Detailed Advertisement' and 'Cash Voucher' Form, shall be made available on the Gujarat High Court Website www.gujarathighcourt.nic.in OR http://hcojas.guj.nic.in from 11/03/2013 onwards and also displayed on the Notice Boards of Gujarat High Court / District Courts Taluka Courts and National Law Universities and all Law Colleges in the State. The process of filling up of On-line Applications on the Official Web-site shall begin from 16/03/2013 (12:00 Noon) & close on 31/03/2013 (12:00 Midnight).

High Court of Gujarat, Sola, Ahmedabad.

Sd/-(P.R. Patel) Registrar

Date: 04/03/2013.

(Recruitment & Finance)

EN 50/80



Mineral Exploration Corporation Limited (MECL) a profit making Public Sector Undertaking under the Ministry of Mines, Government of India, requires bright, result oriented, experienced personnel with initiative and enterprise for its Corporate Office at Nagpur and Projects situated all over India. Excellent career growth opportunities are open to the deserving candidates. Applications are invited from Indian Citizens for the open to the deserving candidates. Applications are invited from Indian Citizens for the posts of Deputy General Manager(P&A){1General}, Deputy General Manager (Materials) {1 General}, Senior Manager(P&A) {1 General}, Senior Manager(Finance) {1 General}, Manager(Finance) {1 General}, Manager(Finance) {2 General}, Assistant Manager (Mineralogy) {1 General}, Assistant Manager(Geo Tech/Engg. Geology){1 General}, Accounts Officer{ 2 General, 1 SC and 1 PHP(OH)(Inter changeable to Hearing Handicapped (HH))}, Legal Officer{1 General and 1 OBC(Non Creamy Layer)}, Officer Traines (HR) {1 General, 1 SC 1 ST and 1 OBC(Non Creamy Layer)}, Foreman Officer Trainees (HR) {1 General, 1SC,1 ST and 1 OBC(Non Creamy Layer)}, Foreman (Drilling){1 ST and 1 OBC(Non Creamy Layer}, and Technician (Drilling)(2 ST). Note :- Management reserves the right to increase / decrease or not to fill up all or

any or these vacancies or cancel /restrict/enlarge/ modify/alter the recruitment process, if need so arises, without issuing any further notice or assigning any reason what so ever. The interested candidates may log on Company's website www.mecl.gov.in for detailed advertisement. Advt. No. 01/Rectt./2013 General Manager (P&A)





ENGINEERING PROJECTS (INDIA) LTD.

(A Government of India Enterprise)

EPI a 'Mini Ratna' Public Sector Enterprise under the aegis of Department of Heavy Industry with turnover of more than ₹ 1000 Crores engaged in execution of wide range of multi facet projects on turnkey basis in Power, Steel, Industrial, Civil & Infrastructure Sectors requires Engineers & Architects to be appointed on regular basis for the following posts:

SI.		Level	No. of Posts	Scale of Pay (Industrial DA Pattern) (Rs.)	Qualification	Minimum Experience	Upper Age limit as on (Last date of Submission of application)
1.	Sr. Manager (Architect)	E-4	1	29100-54500	Degree in Architecture or equivalent (minimum 55% marks)	Minimum 9 years post qualification executive experience with minimum 2 years in a next below grade in an organization of repute.	40 years
2.	Assistant Manager (Architect)	E-1	1	16400-40500	Degree in Architecture or equivalent (minimum 55% marks)	2 Years post qualification executive experience with minimum 1 year in next below grade in an organization of repute.	30 years
3.	Assistant Manager (Electrical)	E-1	5	16400-40500	BE/B. Tech or AMIE or equivalent in the electrical discipline (minimum 55% marks)	2 Years post qualification executive experience with minimum 1 year in next below grade in an organization of repute.	30 years

- etc. are also admissible as per Rules of the Company.
- ★ Relaxable by 5 years for SCs/STs and 3 years for OBC's and as per Govt. directives for ex-servicemen and physically handicapped.
- For the above post, age will be relaxed in case of deserving candidate.

Applicants working in Govt. Deptts./ PSUs / Autonomous bodies must send their application through proper channel or produce 'No Objection Certificate' at the time of Interview and also to produce original certificate of age, qualification, experience, cast certificate etc. failing which, the applicants will not be interviewed and no fare shall be paid. Outstation applicants called for interview shall be paid to & fro 3tier AC rail/bus fare by the shortest route, on production of ticket/ticket No./documentary proof.

Reservation: Reservation of posts for SCs/STs/OBCs and others shall be as per Govt, directives. Person with disability (PWD) are encouraged to apply.

No. of vacancies are tentative and subject to change. EPI reserves the right to shortlist the candidates to be called for interview on the basis of qualification, experience and other parameters.

Last date of submission of application is "Two (2) weeks from the date of publication of advertisement". EPI will not consider any application received after this date.

For further details please visit our website www.epi.gov.in

Application sent by E-Mail will not be considered.

While applying candidate should indicate clearly on the envelop "Application for the post of "

EN 50/107



Government of India Ministry of Defence

Ordnance Factory Board

10-A, S.K. Bose Road Kolkata-700001

Advertisement No. 13/06/2012-A/HRD

Subject: Induction of Trade Apprentices under the 'Apprentices Act' 1961 and 'Disabilities Act' 1995 in Ordnance & Ordnance Equipment Factories- 53rd Batch. "On-line" application is invited from Indian citizens for Induction as Trade Apprentices in Non-ITI & ITI categories in Ordnance & Ordnance Equipment Factories, located in different States of India. **ELIGIBILITY QUALIFICATION:**

- For Non-ITI category: Passed "Madhyamik" (Class X standard or equivalent), with minimum 40% marks in Aggregate with 40% marks in each of Mathematics & Science.
- For ITI category: Passed Trade Test from an Institute recognized by NCVT or SCVT or any other authority specified through Gazette Notification of Ministry of Labour & Employment.

QUALIFYING AGE: 14 to 22 years (as on 01-10-2012)

Relaxation in upper age limit is permitted for the candidate belongs to SC/ST: 5 years, OBC: 03 years, PH/PC: 10 years. For ITI candidates, upper age limit will be relaxed by the period of training already undergone as per the normal duration of NCVT/SCVT, in the relevant trade.

SUBMISSION OF ON-LINE APPLICATIONS STARTS FROM: 04-03-2013 (from 10:00 am) LAST DATE OF SUBMISSION OF ON-LINE APPLICATION: 27-03-2013 (up to 05:00 pm)

For detail, visit Ordnance Factory Board Website http://www.ofbindia.gov.in davp 10201/11/2848/1213

EN 50/104

Recruitment Notice File No. 1-07/2011-Estt. Government of India

Ministry of Agriculture

(Department of Agriculture and Cooperation) Southern Region Farm Machinery Training and **Testing Institute**

Tractor Nagar, Garladinne- 515 731, District: Anantapur (A.P.)

Second Advertisement

Senior Technical Assistant, which is reserved for Orthopedically Handicapped category. The other details of the post are as follows:

- 1. Scale of pay: PB-2 of Rs.9300-34800 + Grade Pay
- 2. Age: 18-30 years as on last date for receipt of applications. However, age relaxation is applicable as scribed by the Government for Physically handicapped.
- 3. Educational qualification: Degree in Mechanical or Agricultural Engineering from a recognized University or Institute or equivalent. 4. Duties : 1. To conduct the laboratory and Field tests
- on Power tillers (also known as walk-behind-tractor) and other Agricultural Equipments and Machinery and record the data during test and compile the draft test reports.
- 2. To organize Theoretical and Practical classes for various categories of trainees on Selection, Operation, maintenance, calibration, repair and management of Tractors/Power tillers/Combine Harvesters and other

Agricultural Equipments and Machinery.

- 3. Responsible for the repairs and maintenance of vehicles and other machinery of the Institute.
- 4. To demonstrate the safe operation techniques of Tractors/Power tillers/Combine Harvesters and other Agricultural Equipments and Machinery in the FARM.
- 5. To undertake the responsibility of Hostel Superintendent as and when required.
- 6. To assist in designing the training programmes/ schedule 7. To assist in reviewing the BIS/ISO/OECD and other inter-
- national standards. 8. To assist in formulation of various test codes/speci-
- 9. Other duties as assigned by Director for smooth running
- of Institute. 5. Place of work: Tractor Nagar, Garladinne, Distt Anantapur (A.P.) with All India Service Liability.

Eligible persons may send their applications with self attested copies of testimonials of age, educational qualifications, experience, physically handicapped etc. issued by respective competent authority to the Director, Southern Region Farm Machinery Training and Testing Institute, Tractor Nagar, Garladinne- 515731, Distt: Anantapur (A.P.) with full particulars Viz. Name, Father's Name, Date Birth. Address. Qualifications. Experience Category/Caste, Physically handicapped, etc. so as to reach this Institute by 02.04.2013. Applications received after due date or incomplete applications or lacking any of

May please also login to www.srfmtti.dacnet.nic.in. (P.K. PANDEY)

the documents, will outrightly be rejected.

DIRECTOR(I/C) EN 50/44

Government of NCT of Delhi

AMBEDKAR INSTITUTE OF ADVANCED COMMUNICATION TECHNOLOGIES AND RESEARCH

Geeta Colony, Delhi - 110031

Phone No.: (011) 22048046 FAX No.: (011) 22048044 Website: www.ait.delhigovt.nic.in, www.aiactr.ac.in

Applications are invited for Teaching-Cum-Research Fellowships (TRF's) and Junior Research Fellow(JRF)

Ambedkar Institute of Advanced Communication Technologies & Research (AIACTR), Geeta Colony, Delhi is one of the Technical Institutes established by the Govt. of NCT of Delhi with well equipped modern laboratories, well laid down 'Profile of Growth' and strong commitment for achieving excellence in Technical Education. It is one of the leading

engineering institutes under the umbrella of Guru Gobind Singh

Applications are invited for the following-

- (i) Three posts of Teaching cum research fellowships (TRF) with a fellowship of ₹20,000/-pm for first two years with ₹20,000/- per annum contingency grant and ₹25,000/-pm for the next two years with ₹25,000/-per annum as contingency grant.
- Two posts of Junior Research Fellows (stipend of ₹16,000/-pm and contingent grant of ₹20,000/- per annum) for first two yrs and extendible to SRF for the next three yrs as per rule.

Both IRFs and JRFs, thus, selected will have opportunity to pursue their Ph.D and will have to assist in teaching activities of UG and PG Courses at AIACTR.

Areas of research will be:

Indraprastha University.

- 1. Microwave and RF Circuits and Systems
- 2. Microwave Antennas and Phased Array Design
- 3. Signal Processing
- 4. Analog Microelectronics and Signal Processing
- 5. Physics/Materials Science/Nano Materials

ELIGIBILITY CRITERIA

- For TRF: First Class (60% and above) B.Tech. in Electronics and Communication Engineering/ M.Sc (Physics/ Applied Physics/ Materials Science) and First Class (60% and above) M. Tech. in relevant
- For JRF: First Class (60% and above) M.Sc (Physics/ Applied Physics/Materials Science/Chemistry/App. Chemistry) and age not exceeding 28 Yrs as on closing date.

HOW TO APPLY:-

Application Form can be downloaded from the institute's website www.ait.delhigovt.nic.in and must reach the Institute along with a Demand Draft of ₹500/- drawn in favour of "Principal, AIACTR" and payable at Delhi. The applications must be addressed to the Principal, Ambedkar Institute of Advanced Communication Technologies and Research, Govt. of NCT of Delhi, Geeta Colony, Delhi - 110 031.

Last date for Applications is 29th March 2013

Short listed candidates will be called for interview as per notice which will be posted on the institute's website by 19th April 2013.

> Principal **Ambedkar Institute of Advanced Communication Technologies and Research** EN 50/106

FIRST PROVISIONAL PART PANEL OF RRC/SER FOR ERSTWHILE GR. 'D' CATEGORY

REF: EMP NO.: SER/RRC/2/2010 DT. 15.12.2010

Railway Recruitment Cell, South Eastern Railway declared the provisional part panel of 140 (VH-28, HH-46 & OH-66) PWD candidates and 1501 (UR-142, OBC-685, SC-359 & ST-315) non-PWD candidates for appointment in South Eastern Railway in PB-1 ₹ 5,200/- — ₹ 20,200/-having GP ₹ 1,800/- for those candidates who have been declared medically fit in prescribed medical classification

The provisional empanelment status of PWD and non-PWD candidates have already been published in RRC/SER website: www.rrcser.in and candidate may check their status by submitting roll no. on the website. Candidates should note that

- Allotment of post, Unit/Division and other pre-requisite formalities shall be commenced by Office of Chief Personnel Officer/South Eastern Railway, Garden Reach, Kolkata and shall be subject to completion of all formalities preceding appointment in Railway Services, whereby, offer of appointment shall be despatched by respective Units/Divisions.
- 2. Appointment shall be subject to availability of vacancies and medical fitness of the candidates for the post. 3. Merit/Rank shall be declared at a later stage, as this is a provisional part panel.
- 4. This is a provisional part panel and result of some candidates has not been declared for pending medical fitness (A-2 and below up to C-1 as per notified post) and other reports like forensic examination report etc. and shall be declared at a later stage if found fit/ authentic.
- While due care has been taken in preparing the result, Railway Recruitment Cell reserves the right to make amendments to the provisionally declared panel at any subsequent stage.
- RRC/South Eastern Railway reserves the right to declare any candidate successful or delete his name from the notified result/panel at any stage of the selection procedure and subsequently, if any discrepancy or malpractice is noticed or brought to the notice of RRC at any stage and the decision of the RRC in the matter shall be final. Candidature is also liable to be rejected in case of fraud/proxy by the candidates at any stage of selection procedure and the decision of RRC/South Eastern Railway in the matter shall be FINAL.

RRC will not entertain any individual query in this regard. Important: Beware of unscrupulous persons who may misguide the candidates with false promises ted for the job on i**ll**e ideration. The recruitment proce

examination is fully computerized and the selection is based on the merit of the candidate.

Dy. Chief Personnel Officer (Rectt.)



South Eastern Railway
We serve with a smile



INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR VGEC Campus, Chandkheda, Ahmedabad: 382 424.

Advertisement No. AO/Rect/02/2012-13

The Institute invites applications for the following positions to be filled on deputation basis from qualified engineers with experience in construction of large building projects, while working for Central Government/ State Governments/Public Sector Undertaking/ Autonomous Bodies.

- Superintending Engineer (Civil, 1 post) Executive Engineer (Civil, 1 post) (Civil, 1 post) Assistant Engineer
- (Electrical, 1 post)

Assistant Engineer Complete application in prescribed format must be forwarded through proper channel to the Assistant Registrar (Admin.), I.I.T. Gandhinagar on or before April 1, 2013. However, candidates may send an advance copy to reach the Institute before the last date.

For details of the advertisement, including General Conditions and Application Form, please go to IIT Gandhinagar website: www.iitgn.ac.in under section: jobs@IITGn, subsection: staff recruitment Assistant Registrar (Admin.)



STAFF SELECTION COMMISSION



Closing Date: 12 -04-2013

Date of Exam: 10-06-2013(Paper-I) & 18-08-2013(Paper-II)

NOTICE

RECRUITMENT OF SUB-INSPECTORS IN DELHI POLICE, CAPFS AND ASSISTANT SUB-**INSPECTOR IN CISF AND INTELLIGENCE OFFICER IN NCB EXAMINATION, 2013**

IMPORTANT INSTRUCTIONS TO CANDIDATES

1.	Commission will hold an All India Examination for recruitment to the post of
	Sub-Inspectors in Delhi Police(DP) and Central Armed Police Forces (CAPFs),
	Assistant Sub-Inspectors in Central Industrial Security Force (CISF) and
	Intelligence Officer in Narcotics Control Bureau(NCB) . Graduation from a rec-
	ognized University or equivalent is the minimum educational qualification.
	The Examination will comprise of Written Examination in two phases- Physical
	Endurance Test, Medical Examination and Interview/personality test.

- In view of the anticipated large number of applicants, scrutiny of the eligibility and other aspects will not be undertaken before the Written Examination and, therefore, the candidature will be accepted only provisionally. Candidates are advised to go through the requirements of educational qualification, age, physical standards, etc. and satisfy themselves that they are eligible for the posts, before applying. Copies of supporting documents will be sought only from those candidates who qualify in the Written Examination. When scrutiny is undertaken after the Written Examination, if any claim made in the application is not found substantiated the candidature will be cancelled and the Commission's decision in this regard shall be final.
- BEFORE APPLYING, CANDIDATES IN THEIR OWN INTEREST ARE ADVISED TO GO THROUGH THE DETAILED INSTRUCTIONS CONTAINED IN THIS NOTICE CAREFULLY. THIS NOTICE IS ALSO AVAILABLE ON THE WEBSITE OF THE COMMISSION (http://www.ssc.nic.in)
- Candidates seeking reservation benefits for SC/ST/OBC/Minorities/ EXS must ensure that they are entitled to such reservation as per eligibility prescribed in the Notice. They should also be in possession of the certificates in the format prescribed by Government of India in support of their claim.
- 5. Candidates belonging to the Physically Handicapped category are not eligible to apply for this examination.
- 6. Central Government civilian employees claiming age relaxation should be in possession of a certificate in the prescribed format from their office in respect of the length of continuous service which should be for not less than three years in the immediate period preceding the closing date for receipt of application. They should continue to have the status of Central Government civilian employees from the day of application till the time of appointment on the basis of their performance in this examination to be eligible for such age relaxation.
 - FEE: RUPEES ONE HUNDRED ONLY(Rs 100) payable through CRF Stamp in case of Off-line or SBI Challan or on-line payment through State Bank of India for on-line applications. Fee is exempted for all Women candidates and candidates belonging to Scheduled Caste, Scheduled Tribe and Ex-Servicemen eligible for reservation as per Govt. orders.
- CLOSING DATE: 12.4.2013 (upto 5.00 PM) For candidates residing in Assam, Meghalaya, Arunachal Pradesh, Mizoram, Manipur, Nagaland, Tripura, Sikkim, Jammu and Kashmir, Lahaul and Spiti District and Pangi Sub Division of Chamba District of Himachal Pradesh, Andaman and Nicobar Islands, Lakshadweep and for candidates residing abroad 19-04-2013 APPLICATIONS RECEIVED LATE WILL BE REJECTED and no correspondence will be entertained in this regard. COM-MISSION WILL NOT BE RESPONSIBLE FOR POSTAL DELAY.
- 9. Only a single application will be entertained. IN CASE OF MULTIPLE ONLINE APPLICATIONS, THE LAST APPLICATION FOR WHICH PART.I AND PART.II REGISTRATION HAVE BEEN COMPLETED WILL BE ACCEPTED. IN THE CASE OF MULTIPLE OFF-LINE APPLICATIONS, THE CONCERNED REGIONAL OFFICE WILL ACCEPT ANY ONE OF THE APPLICATIONS AT THEIR DISCRETION.
- MOBILES AND OTHER ELECTRONIC GADGETS ARE BANNED WITHIN THE PREMISES OF THE EXAMINATION CENTRES. POSSESSION OF SUCH EQUIPMENT WHETHER IN USE OR IN SWITCH OFF MODE, DURING THE EXAMINATION WILL BE CONSIDERED AS USE OF UNFAIR MEANS. CANDI-DATURE OF SUCH CANDIDATES WILL BE CANCELLED. THEY WILL BE LIABLE FOR FURTHER ACTION INCLUDING INITIATION OF CRIMINAL PRO-CEEDINGS AND DEBARMENT FROM COMMISSION'S EXAMINATION UPTO 5 (FIVE) YEARS, AS MAY BE DECIDED BY THE COMMISSION.
- CANDIDATES DESIROUS OF SUBMITTING ON LINE APPLICATIONS MAY DO SO. SUCH CANDIDATES SHOULD RETAIN THEIR REGISTRA-TION NUMBER ASSIGNED TO THEM ON LINE FOR CORRESPON-DENCE WITH THE COMMISSION. THEY SHOULD NOT SUBMIT PRINT OUTS OF THEIR APPLICATION TO THE COMMISSION. THE FACILITY OF ON-LINE APPLICATION WILL BE AVAILABLE AT WEBSITE http://SSC online.nic.in UPTO 10-04-2013 (5:00 PM) FOR PART-I REG-ISTRATION AND FOR PART-II REGISTRATION UPTO 12-04-2013 (5.00
- Candidates may contact following Regional Help Lines for clarifications, if any, in respect of filling/submitting applications
 - (i) SSC(NR) New Delhi
- -01164715222, 01165021888, 01124363343, 01124360840
- - 05322460511,05326541021
- (ii) SSC(CR) Allahabad (iii) SSC(SR) Chennai
- 09445195946,04428251139
- (iv) SSC(WR)Mumbai
- 09869730700.07738422705
- (v) SSC(ER) Kolkata

TION.

- -09477461228,09477461229
- (vi) SSC(MPR) Raipur
- -09407921504.09407921505
- (vii) SSC(KKR) Bangalore
- 08025502520,09483862020
- (viii) SSC(NWR) Chandigarh
- 09915509204,09915509331
- 09085073593,09707679564
- (ix) SSC(NER) Guwahati
- Candidates must carry at least one photo bearing IDENTITY PROOF in original such as Driving Licence, Voter Card, Aadhaar Card, Identity Card issued by

University/College, Income Tax Pan Card etc to the examination centre, failing which THEY SHALL NOT BE ALLOWED TO APPEAR FOR THE EXAMINA-

F. No. 3/1/2013-P&P-II. The Staff Selection Commission will hold an examination for Recruitment of Sub-Inspector in Delhi Police, CAPFs, Assistant Sub Inspector in CISF and Intelligence Officer in NCB Examination, 2013 on Sunday the 10th June 2013 for Paper-I and 18th August 2013 for Paper-II.

Sub-Inspector in CAPFs:

The post carries pay scale of Rs 9300-34800 in Pay Band 2 with Grade Pay of Rs 4200 and is classified as Group 'B' Non-Gazetted, Non-Ministerial as per letter No.I-45023/4/2010-Pers.II dated 29th March 2011 from Ministry of Home Affairs. Sub Inspector in Delhi Police:

The post carries pay scale of Rs.9300-34800 in Pay Band 2 with Grade Pay of Rs. 4200 and is classified as Group 'C' by Delhi Police.

Assistant Sub-Inspector in CISF:

The post carries pay scale of Rs.5200-20200 in PB-1 with Grade Pay of Rs.2800/- and is classified as Group 'C'

Intelligence Officer in NCB:-

The post carries pay scale of Rs.9300-34800 in Pay Band 2 with Grade Pay of Rs.4600/- and is classified as Group 'B' Non-Gazetted, Non-Ministerial.

Post Code (Preference for Post may be indicated in Application Form) Sub Inspector in Delhi Police

- В Sub Inspector in Border Security Force (BSF)
- Sub-Inspector in Central Industrial Security Force (CISF) С
- D Assistant Sub-Inspector in Central Industrial Security Force(CISF)
- Ε Sub-Inspector in Central Reserve Police Force (CRPF)
- Sub-Inspector in Indo-Tibetan Border Police Force (ITBPF)
- G Sub Inspector in Sashastra Seema Bal (SSB)
- Intelligence Officer in Narcotics Control Bureau(NCB)

Candidates will not be allowed to change/revise the preference subsequently. Therefore, they are advised to indicate the preference of the posts carefully. 2. Vacancies & Reservation -:

Vacancies of Sub-Inspector in CAPFs

Name of the Force	Category	UR	ОВС	SC	ST	Total
CRPF	Male	107	57	32	16	212
	Female	13	05	03	01	22
ITBP	Male	86	22	13	15	136
CISF	Male	144	76	42	21	283
	Female	17	08	04	02	31
SSB	Male	35	17	09	04	65
	Female	01	00	02	00	03
Total		636	287	167	86	1176

Vacancies of Assistant Sub-Inspector in CISF

RANK	Category	UR	ОВС	SC	ST	Total	Exs
ASI/Exe.	Male	335	178	99	49	661	80
	Female	39	19	10	04	73	00
	Total	374	197	109	54	734	80

Note: Candidates selected for appointment for posts of S.I. in CAPFs & ASI in CISF are liable to serve anywhere in India.

Vacancies of Sub-Inspector in Delhi Police

Category	UR	ОВС	sc	ST	Total	
Open	161	58	29	16	264	
Departmental	17	09	05	02	33	
Ex-Servicemen	17	09	05	02	33	
	40-					

Note I: Firm number of vacancies in respect of Intelligence Officers in NCB will be determined in due course

Note II: The number of vacancies is indicative and may undergo change anytime before declaration of result.

Reservation for SC/ ST/ OBC/ ExS/etc. categories is available as per extant Govt. Orders and as communicated by the departments reporting vacancies. Vacancies for Ex.Servicemen are reserved only for Group 'C' posts and not for Group 'B' posts as per extant Government orders/instructions.

In Delhi Police reservation is available for male departmental candidates, Ex.Servicemen and special categories of Ex.Servicemen as detailed below:-

Out of 10% quota meant for Ex. Servicemen, 50% of such quota will be reserved for the following categories:-

- Having served in the Special Force NSG(Special Action Group)
- Having received a QI "Qualified Instructors" grading in the commando course.
- Officers from the Navy/Air Force who have worked in the specialized commando type units.

Departmental candidate eligible for consideration for the posts earmarked for him means a Constable, Head Constable or an Assistant Sub Inspector enlisted in Deini Police and has more than five years of continuous service in Delhi Police and otherwise possesses the other qualification prescribed for the post.

Women Departmental Candidates of Delhi Police are eligible only for age relaxation. No reservation is available to them as Departmental candidates.

3. NATIONALITY / CITIZENSHIP :

A candidate must be either:

- (a) a citizen of India, or
- (b) a subject of Nepal, or
- (c) a subject of Bhutan, or
 - a Tibetan refugee who came over to India, before the 1st January, 1962 with the intention of permanently settling in India, or
 - a person of Indian origin who has migrated from Pakistan, Burma, Sri Lanka, East African Countries of Kenya, Uganda, the United Republic of Tanzania (Formerly Tanganyika and Zanzibar), Zambia, Malawi, Zaire, Ethiopia and Vietnam with the intention of permanently settling in India.

Provided that a candidate belonging to categories (b), (c), (d) and (e) above shall be a person in whose favour a certificate of eligibility has been issued by the Government of India.

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	ate in whose case a certificate of eligibility is		34	(ii) Departmental Candidates (OBC)	Upto 43 years
essary el	tion provisionally but the offer of appointme igibility certificate has been issued to him b	y the Government of India.		who have rendered not less than 3 years of regular and continuous	
Women [Departmental Candidates of Delhi Police ar vation is available to them.			service as on closing date.	
4. (A) <u>A</u>	GE LIMITS for the post of Sub-Inspe	ector in Delhi Police, CAPFs,	35	(iii) Departmental Candidates (SC/ST)	Upto 45 years
Assistan	t Sub Inspector in CISF and Intelligence The upper age limit is relaxable for Central	Officer in NCB is 20-25 years.		who have rendered not less than 3 years of regular and continuous	
as per ex	tant Government order.			service as on closing date.	
	The crucial date for age-limit is reckoned wire overnment orders.	th reference to 01-01-2013 as per	36	FOR DELHI POLICE ONLY: (i) Sportsman of distinction who has	Upto 5 years.
Note III:	Candidates should note that only the D			represented a state at the national	
the date of	ion/Secondary Examination Certificate or an of submission of application will be accepted	by the Commission for determining		level and the country at international	
the age e	ligibility and no subsequent request for its cha ategory-Codes and age relaxation availa	ange will be considered or granted.	37	level (General) (ii) Sportsman of distinction who has	Upto 10 years
	ategory-Codes and age relaxation availand indicates, for claiming Age Relaxation as		"	represented a state at the national	apid to yourd
Code	Category	Age-Relaxation permissible		level and the country at international\ leve I(SC/ST)	
No.	SC/ST	beyond the Upper age limit 5 years	38	(SC/ST) (iii)Sportsman of distinction who has	Upto 8 years
02	OBC	3 years		represented a state at the national	
06	For Group ' B & C' posts Ex.Servicemen (Unreserved/General)	03 years after deduction of the military service rendered from		level and the country at international level (OBC)	
	LA. Gervioemen (Omeserveu/General)	the actual age as on the closing	NOTE-I	Ex-servicemen who have already secure	d employment in civil side under
07	Ex.Servicemen (OBC)	date. 06 years(3 years + 3 years)	Central (Government in Group 'C' & 'D' posts on in	regular basis after availing of the
"	Ex.octylogiliett (ODO)	after deduction of the military	ble for	of reservation given to ex-servicemen for the fee concession or for claiming benefits of	reservation under EXS category.
		service rendered from the actual age as on the closing date	However	, they are eligible for age relaxation as per	rules.
08	Ex.Servicemen (SC/ST)	08 years (3 years+5 years) after	shall also	: The period of "Call up Service" of an Exobetreated as service rendered in the Arme	ed Forces for purpose of age relax-
		deduction of the military service rendered from the actual age as		per rules: For any serviceman of the three Armed	Forces of the Union to be treated
10	[on the closing date.	as Ex-Se	erviceman for the purpose of securing the	benefits of reservation, he must
12	For Group 'B' posts (i) Central Government Civilian	05 years.		eady acquired, at the relevant time of submethe status of ex-serviceman and /or is in a	
	Employees (General/unreserved) who have		entitleme	ent by documentary evidence from the co	mpetent authority that he would
	rendered not less than 3 years regular			specified term of engagement from the A one year from the CLOSING DATE (i.e 1	
13	and continuous service as on Closing date (ii) Central Government Civilian	8 (5+3) years.	NOTE- I	<u>/:</u> AGE CONCESSION IS NOT ADMISSIBL	
	Employees(OBC who have rendered		NOTE -	DENTS OF EX-SERVICEMEN. <mark>V :</mark> A Matriculate Ex-Serviceman (which terr	
	not less than 3 years regular and continuous service as on Closing date			ined the Indian Army Special Certificate of the Navy or the Air Force), who has put in r	
14	(iii) Central Government Civilian	10(5+5) years.	as on cl	osing date with Armed Forces of the Unio	on shall be considered eligible for
	Employees(SC/ST) who have rendered			ent to the posts being advertised through the Ex-Servicemen who have not completed	
	not less than 3 years regular and continuous service as on Closing date		date for i	receipt of applications as stated in Note-III ι	under Para 4 (B) are not eligible.
16	For Group 'C' posts	40 years		ATION 1: An Ex-Serviceman means a peas a combatant or non-combatant in the Reas a combatant in the Reas are combatant in the Reas are combatant.	
	(i) Central Govt. Civilian Employees (General) who have rendered not less		Indian U	nion, and	
	than 3 years regular and continuous			retired from such service after earning he de persons who are retired/retire at their ov	
10	service as on Closing date	13 years	their	pension; or has been released from such service on m	
18	(ii) Central Govt. Civilian Employees (OBC) who have rendered not less	43 years	`´ itary	service/circumstances beyond his control a	
	than 3 years regular and continuous			y pension; or has been released, otherwise than on his o	own request from such service as
20	service as on Closing date (iii) Central Govt. Civilian Employees	45 years	à res	sult of reduction in establishment; or	•
	(SC/ST) who have rendered not less	, ,	enga	has been released from such service after agements, otherwise than at his own reque	est or by way of dismissal or dis-
	than 3 years regular and continuous service as on Closing date		char	ge on account of misconduct or inefficient includes personnel of the Territorial Army of	cy, and has been given a gratuity;
21	Candidates who had ordinarily been	5 years	ly:-	•	
	domiciled in the State of Jammu & Kashmir (Unreserved)			Pension holders for continuous embodied so Persons with disability attributable to military	
22	Candidates who had ordinarily been	8 years	(c) G	Sallantry award winners. IATION 2: The persons serving in the Arm	
	domiciled in the State of Jammu &		retiremei	nt from service, would come under the cat	egory of "ex-serviceman" may be
23	Kashmir(OBC) Candidates who had ordinarily been	10 years		d to apply for re-employment one year before engagement and avail themselves of all co	
'	domiciled in the State of Jammu &		men but	shall not be permitted to leave the uniform	until they complete the specified
24	Kashmir(SC/ST) Widows / Divorced Women / Women	Up to 35 years of age	term of e	angagement in the Armed Forces of the Unit The benefit of age relaxation available	ion. to Central Government Civilian
	judicially separated and who are not	op to do yours or age	Employe	es are NOT available to Departmental can	didates of Delhi Police.
25	remarried (Unreserved) Widows / Divorced Women / Women	Up to 38 years of acc	not inclu	OBC certificates issued by NCT for candided in Central list of OBCs will be accepted	for post of SI in Delhi Police only
23	judicially separated and who are not	Up to 38 years of age	for reserv	vation and age relaxation proposes. For call prescribed from NCT or any other States	ndidates in Central OBC lists, cer-
	remarried(OBC)	11-1-40	<u>4(C)</u> : P	ROCESS OF CERTIFICATION AND FOR	MAT OF CERTIFICATES:
26	Widows / Divorced Women / Women judicially separated and who are not	Up to 40 years of age		es who wish to be considered against vaca	
	remarried(SC/ST)		scribed for	ormat when such certificates are sought by	concerned Regional/Sub Regional
30	Departmental Male Candidates for Delhi Police only	Upto 40 years		at the time of interview/personality to BC/ExS/Departmental candidates (Delhi Po	
	(i) Departmental Candidates		and their	candidature/applications will be considered at the control of the certificates are annexed. Certificates are annexed.	ed under General (UR) category.
	(Unreserved) who have rendered not		will not b	e accepted. Candidates claiming OBC sta	atus may note that certificate on
	less than 5 years of regular and continuous service as on closing date.			layer status issued by the competent au ave been obtained within three years before	
31	(ii) Departmental Candidates (OBC)	Upto 43 years	in the pi	rescribed format only. Certificates issued	d up to the last tier of examination
	who have rendered not less than 5 years of regular and continuous			riew will also be accepted by the Commissi Candidates are warned that they will be	
	service as on closing date.		examina	tion conducted by the Commission ir	case they fraudulently claim
32	(iii) Departmental Candidates (SC/ST)	Upto 45 years		BC/ExS/Departmental candidates(Delhi :NTIAL QUALIFICATIONS as on 01.01.20	
	who have rendered not less than 5 years of regular and continuous service		A. BACI	HELOR'S DEGREE FROM A RECOGNI	
	as on closing date.			ne post of Sub Inspector in Delhi Police	
33	Departmental Female Candidates for	Upto 40 years.	sess and	also carry a valid Driving License for LMV Physical Endurance and Standard Tests. 0	(Motor cycle and Car) on the date
	<u>Delhi Police only</u> (i) Departmental Candidates		to under	go Physical Endurance and Standard Tests	
	(Unreserved) who have rendered not		NOTE-I:	As per Ministry of Human Resource Digital As per Ministry of Human Resource Digital Associates of India Associates of India Associates Associat	Development Notification No. 44
	less than 3 years of regular and		Degree	obtained through open Universities/Dist	ance Education Mode needs to
<u> </u>	continuous service as on closing date.			nized by Distance Education Council, IG	

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Degrees had been recognized for the period when the candidates acquired the relevant qualification, they will not be accepted for the purpose of Educational Qualification.

Note - II: Candidates who have not acquired/will not acquire the educational qualifi-

cation as on 01-01-2013 will not be eligible and need not apply. Note- III: All candidates who are declared qualified by the Commission for appearing at the Interview/Personality Test will be required to produce all relevant Certificates such as Mark sheets for all the three years of Graduation/ Provisional

Certificate/ Certificate of Graduation as proof of having acquired the minimum educa-

tional qualification on the closing date failing which the candidature of such candidate

will be cancelled by the Commission.

Note-IV: Due weightage will be given to candidates with NCC 'B' or 'C' certificate at the time of interview/personality test.

6. MODE OF PAYMENT:

(i) Off-line applications: The candidates should pay the fee by means of "Central Recruitment Fee Stamps (CRFS)" only .CRFS stamps are available at the counter of all Departmental Post

Offices of the country. Recruitment Fee Stamps should be pasted on the application form in the space earmarked for the purpose and got cancelled from the Counter of Post Office of issue with the date stamp of the Issuing Post Office in such a manner that the impression or the cancellation stamps partially overflows on the Application Form itself, taking care at the same time that the impression is clear and distinct to facilitate the identification of date and Post Office of issue at any subsequent

candidate must submit their application to the concerned Regional Office/Sub Regional Offices of the Commission in the usual manner after completing other formalities. Applications with CRFS not cancelled by the post office will be rejected out-(ii) On-line applications: The candidates submitting their applications on-line

stage. After getting the Recruitment Fee Stamps cancelled from the Post Office, the

should pay the requisite fee only through State Bank of India either in the form of challan or net-banking. (iii) Women candidates and candidates belonging to Scheduled Caste, Scheduled Tribe and Ex-Servicemen eligible for reservation are exempted from

paying fee, as per rules/instructions of DOPT. NOTE I: Fee once paid will not be refunded under any circumstances. NOTE II: Fee paid by modes other than CRFS/ SBI challan, as stated above, will

not be accepted and the applications of such candidates will be rejected forthright and the payment made shall stand forfeited. NOTE III: Candidates may please note that non-cancellation of CRFS from the con-

cerned Post Office in the manner indicated above, will lead to rejection of his/her application form. Therefore, it is in the interest of candidates that they get the CRFS cancelled from the concerned Post Office. 7. CENTRES OF EXAMINATION A candidate must indicate the centres in the Application Form. A candidate must

submit his/her application only to the concerned Regional/Sub Regional Office of the

Commission under whose jurisdiction the Centre selected by him / her falls. Application received in any other Regional/Sub Regional Office of the Commission will be rejected summarily. The applications should be addressed to the Regional / Sub-Regional Offices of the Commission as indicated in the table below:-

SI. Examination Centres & Centre Code Address to which the applications should be sent No.

		applications should be sent
1	2	3
1.	Bhagalpur (3201), Darbhanga (3202), Muzaffarpur (3205), Agra(3001), Bareilly(3005), Gorakhpur(3007), Kanpur(3009), Meerut (3011), Varanasi (3013), Allahabad (3003), Patna (3206), Lucknow (3010)	Regional Director(CR), Staff Selection Commission, 21-23 Lowther Road, Allahabad, Uttar Pradesh- 211002
2.	Kolkata (4410), Midnapur (4413), Port Blair (4802), Sambalpur(4609), Gangtok(4001), Jalpaiguri(4408), Bhubaneshwar (4604), Cuttack (4605), Ranchi (4205),	Regional Director (ER), Staff Selection Commission, 1st MSO Building,(8th Floor) 234/4 . Acharya Jagadish Chandra Bose Road, Kolkata, West Bengal-700020
3.	Bangalore (9001), Thiruvananthapuram (9211), Kochi (9204), Thrissur (9212), Gulbarga (9005), Mangalore (9008), Dharwar (9004), Kozhikode (Calicut) (9206)	Regional Director(KKR), Staff Selection Commission, 1st Floor, "E" Wing, Kendriya Sadan, Koramangala, Bangalore, Karnataka-560034
4.	Delhi (2201), Jaipur (2405), Jodhpur (2406), Kota (2407), Bikaner (2404), Udaipur (2409), Ajmer (2401), Alwar (2402), Sriganganagar (2408), Dehradun (2002), Haldwani (2003),Almora (2001), Srinagar (2004) (Uttarakhand)	Regional Director (NR), Staff Selection Commission, Block No. 12, CGO Complex, Lodhi Road, New Delhi- 110504
5.	Guwahati (Dispur) (5105), Itanagar (5001), Dibrugarh (5102), Jorhat (5107),Silchar (5111), Imphal (5501), Shillong (5401), Aizwal (5701), Kohima (5302), Agartala (5601), Churachandpur-5502	Regional Director(NER), Staff Selection Commission, Housefed Complex, West End Block, Last Gate, Beltola Basistha Road, Dispur Guwahati, Assam-781006
6.	Hyderabad(8002), Guntur (8001), Kurnool (8003), Rajahmundry (8004), Tirupati (8006), Coimbatore (8202), Chennai (8201), Madurai (8204), Puducherry(8401), Tirunelveli (8207), Tiruchirapalli (8206), Vishakhapatnam (8007)	Regional Director (SR), Staff Selection Commission, EVK Sampath Building, 2nd Floor, College Road, Chennai, Tamil Nadu-600006
7.	Aurangabad (7202), Mumbai (7204), Kolhapur (7203), Nagpur(7205), Panaji (7801), Pune (7208), Ahmedabad (7001), Vadodara (7002), Rajkot (7006), Nashik (7207), Amravati (7201), Surat (7007)	Regional Director (WR), Staff Selection Commission, 1st Floor, South Wing, Pratishta Bhawan, 101 M.K. Road, Mumbai, Maharashtra- 400020
8.	Ambikapur (6201), Indore (6006), Jabalpur (6007),	Dy. Director (MPR),

ers only applications from those serving in Armed Forces or Central Armed Police Forces for change of centre, if they are posted out due to operational reasons. NOTE II: The Commission reserves the right to cancel any Centre and ask the candidates of that centre to appear from another centre. Commission also reserves the right to divert candidates of any centre to some other Centre to take the examination.

indicate the same correctly in their applications. The Commission consid-

8. SCHEME OF EXAMINATION:

Written Examination. (Date of Examination 10-06-2013 (FN)

PAPER-I					
	Subject	Number of Questions	Maximum Marks	Duration/ Time Allowed	
Part A	General Intelligence	50	50	Two Hours	
	and Reasoning			(10.00 A.M. to 12.00 Noon)	
Part B	General Knowledge and			12.00 (10011)	
	General Awareness	50	50		
Part C	Quantitative Aptitude	50	50		
Part D	English Comprehension	50	50		
PAPER-II (Date of Examination 18-08-2013(FN)					

Subject Maximum Marks /Questions. Duration and timing

	maximum marke / Queenterle Duranterle arta artificial			
English language &	200 marks/200 questions	Two Hours (10.00 A.M.		
Comprehension		to 12.00 Noon)		
Questions in both papers	ons in both papers will be of Objective Multiple Choice Type. Questions will			
be set in Hindi and English in Parts A, B and C of Paper I. In case of discrepancy, the				

English version will prevail. Deduction of 0.25 marks will be made for each incorrect answer marked on OMR **Answer Sheet.** Note: I Candidates shortlisted for PET/Medical Examination on the basis of

their performance in Paper-I will only be called for Paper-II. Paper-II of only such candidates who qualify in PST/PET will be evaluated. NOTE-II: Candidates are not permitted to use Mobile Phone, Calculator or any other electronic/electrical device for answering any paper (Test Booklets). Candidates must not, therefore, bring Mobile Phone, Calculator or any other

electronic / electrical device inside the Examination premises. Possession of these items, whether in use or not, will be considered as "use of unfair means" in the Examination and candidature of such candidates will be cancelled forthwith. Such candidates are also liable for debarment upto a period of 5 years and/or criminal prosecution.

days of the Examination. Objections and claims if any, received within the time limit specified while placing answer keys will be examined by the Commission with the help of experts, if necessary. 9. SYLLABUS Paper -I General Intelligence & Reasoning: It would include questions of both verbal

analysis, judgment, decision making, visual memory, discrimination, observation,

NOTE-III: Commission will place the answer keys of Paper-I on its website in about 7

and non-verbal type. This component may include questions on analogies, simi-

larities and differences, space visualization, spatial orientation, problem solving,

- relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are, Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Classification, Symbolic/Number Classification, Figural Classification, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, symbolic Operations, Trends, Space Orientation, Space Visualization, Venn Diagrams, Drawing inferences, Punched hole/pattern-folding & un-folding, Figural Pattern- folding and completion, Indexing Address matching, Date & city matching Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence, Other sub-topics if any. B. General Awareness: Questions in this component will be aimed at testing the
- candidates general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current events and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighboring countries especially pertaining to History, Culture, Geography, Economic Scene, General Polity, Indian Constitution, scientific Research etc. Quantitative Aptitude: The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the
 - between numbers, Percentage, Ratio and Proportion, Square roots, Averages, Interest, Profit & Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time & work, Basic algebraic identities of School Algebra and Elementary surds, Graphs of Linear Equations, Triangle and its various kinds of centres, Congruence and similarity of triangles, Circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures. Standard Identities. Complementary angles. Heights and Distances, Histogram, Frequency polygon, Bar diagram & Pie chart. **English Comprehension**: Candidates' ability to understand correct English, his basic comprehension and writing ability, etc. would be tested.

test will be computation of whole numbers, decimals, fractions and relationships

Paper-II: English Language & Comprehension: Questions in this components will be designed to test the candidate's understanding and knowledge of English Language and will be based on error recognition, filling in the blanks (using verbs, preposition, articles etc), Vocabulary, Spellings, Grammar, Sentence

Structure, Synonyms, Antonyms, Sentence Completion, Phrases and Idiomatic use of Words, comprehension etc. **NOTE – I:** The Commission shall have the discretion to fix different minimum qualifying standards in each part of Paper I taking into consideration among others. category-wise vacancies and category-wise number of candidates. Only

those candidates, who have scored above the cut off marks fixed by the Commission in Paper I would be required to appear in the Physical Endurance Test/Medical examination. NOTE- II: Marks received in Paper-I will be used to screen the candidates for appearing for PET/Medical Examination. Marks of such screened candidates in

No change of Centre of Examination will be allowed under any circumstance. Hence, the candidates should select the centres, carefully and

Staff Selection Commission,

Colony, Raipur, Chhatisgarh-

Staff Selection Commission,

Block No. 3, Gr. Floor, Kendriya

Sadan, Sector-9, Chandigarh-

"Nishant Vila" F. Jalvihar

Dy. Director (NWR),

492001

160017

Jagdalpur (6203), Chindwara (6003),

Chandigarh (1601), Jammu (1004),

Hamirpur (1202), Baramula-1002

Bilaspur(6202)

Chattarpur (6002), Guna (6004), Mandsaur (6010),

Jhabua (6008), Khandwa (6009), Rewa (6012),

Raipur (6204), Bhopal (6001), Gwalior (6005),

Ambala (1801), Jalandhar (1402), Leh (1005)

Srinagar(1007), Shimla(1203), Bhathinda (1401)

Paper I if they are successful in PET/Medical Examination, will be taken into account along with marks in Paper II for final ranking of candidates for selecting them for the interview and also final selection.

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ination Hall / Sub-Centre / Centre / State. The Candidates are advised to desist from use of any unfair method in the examination hall which will render them ineligible for further consideration for the examination and also lead to their debarment from Commission's examinations in future beside

NOTE-III: The Commission will be using a software to detect irregularities in an exam-

10 PHYSICAL ENDURENCE TEST(PET) is MANDATORY FOR THE POST. NOTE -I: Candidates will have to undergo PET / MEDICAL Examination.

NOTE-II: Only those candidates who secure qualifying marks in Paper I of the written

examination, as may be fixed by the Commission at their discretion, will be shortlisted for Physical Endurance Test (PET)/ PST and medical test. Paper-II of shortlisted

candidates who qualify in PST/PET will only be evaluated. Candidates will be called

Height

(in cms

170

Chest (in cms)

Expanded

85

Unexpanded

for Personality Test/ Interview based on their combined performance in Paper-I and 10 (A) PHYSICAL STANDARDS **ELIGIBILITY TESTS (For all posts)**

Category of candidates

(i) For male candidates only

For candidates belonging to Hill areas

GENERAL

inviting criminal prosecution.

of Garhwal, Kumaon, Himachal Pradesh, Gorkhas, Dogras, Marathas, Kashmir			
Valley, Leh & Ladakh regions of J&K,			
North-Eastern States and Sikkim	165	80	85
For all candidates belonging to Scheduled			
Tribes	162.5	77	82
(ii) For Female candidates only			
GENERAL	157	-	-
For candidates belonging to Hill areas of Garhwal, Kumaon, Himachal Pradesh, Gorkhas, Dogras, Marathas, Kashmir			
Valley, Leh & Ladakh regions of J&K,			
North-Eastern States and Sikkim	155	-	-
For all candidates belonging to Scheduled			
Tribes	154	-	-
Physical Efficiency(Endurance) Test(PET) (For all posts)			

a) 100 meters race in 16 seconds b) 1.6 Kms race in 6.5 minutes c) Long Jump: 3.65 metres in 3 chances

e) Shot put (16 Lbs): 4.5 metres in 3 chances For female candidates only

For male candidates only

a) 100 metres race in 18 seconds b) 800 metres race in 4 minutes c) Long Jump: 2.7 metres (9 feet) in 3 chances.

d) High Jump: 0.9 metres (3 feet) in 3 chances.

d) High Jump: 1.2 metres in 3 chances

- There shall be **no** minimum requirement of chest measurement for Female can-
- didates. Relaxation in height and chest (as the case may be) as mentioned above will be
- permissible only on production of certificate in the proforma as prescribed in Annexure VIII from the competent authorities of the District where they ordinarily
- 10 (B) Weight: Corresponding to height for all posts. 10-(C) Medical standard (For all posts) Eye sight: The minimum distant vision should be 6/6 and 6/9 of two eyes without correction

i.e.without wearing of glasses.

c) High Jump (Age wise)

From the age of above 40 years-

a) Race 1600 meters (qualifying)

From the age of above 40 years.

The candidate must not have knock knee, flat foot, varicose vein or squint in eyes and they should possess high colour vision. They must be in good mental and bodily health and free from any physical

Relaxation in PST/PET for Departmental Candidates/Ex.Servicemen/Women Departmental candidates of Delhi Police only:-(i) For Male Departmental and Ex.Servicemen candidates

Those candidates who are declared not qualified in Physical Standards, i.e. height

and chest, may prefer an appeal, if they so desire, to the appellate authority pres-

ent on the PET ground. The decision of the appellate authority will be final and no

further appeal or representation in this regard will be entertained.

defect likely to interfere with the efficient performance of the duties.

- (a) Race 1600 meters (Age wise) From the age of 30 years and upto 40 years – 7 minutes and 45 seconds (qualifying) From the age of above 40 years -8 minutes and 45 seconds (qualifying) b) Broad Jump/Long Jump(age-wise)
- From the age of 30 years and upto 40 years -12 feet (to be achieved in three chance) From the above of above 40 years-11 feet (to be achieved in three chance)
- 3 feet (to be achieved in three chance) Note: Those who qualify in 1600 meters race will only appear in (b) and (c). (ii) For Female Departmental candidates.
- Age wise: - 9 minutes.

Note: Those who qualify in 1600 meters race will only appear in (b) and (c).

From the age of above 30 years and upto 40 years From the age of above 40 years

From the age of 30 years and upto 40 years-

- b) Broad Jump/Long Jump (age-wise) From the age of 30 years and upto 40 years
- From the age of above 40 years. c) High Jump (age-wise)

From the age of 30 years and upto 40 years.

- 10 minutes. - 9 feet (to be achieved in three

chance)

chance)

chance)

chance)

3.3 feet (to be achieved in three

- 2.9 feet (to be achieved in three chance) - 2.6 feet (to be achieved in three
- 10(D) Physical Endurance Test Will NOT CARRY ANY MARKS BUT WILL BE OF QUALIFYING/ELIMINATION NATURE.

physical standards prescribed for direct recruits for recruitment of Sub Inspector/ Assistant Sub-Inspector, as the case may be. They should also pass the medical standards prescribed for direct recruits.

NOTE:II The candidature of female candidates who are pregnant at the time of

Physical Endurance Test will be rejected as they cannot undergo PET. No appeal/rep-

resentation will be entertained against such rejection. Note: III Medical Examination All the candidates who qualify in the PET will be med-

mentioned below, failing which they may not be retained in the Force:

ically examined by the Medical Officer of the CAPFs or any other Medical Officer or Assistant Surgeon belonging to Grade I of any Central/State Govt. Hospital or Dispensary. Those who are found fit in the medical examination and qualify in the written examination also will be required to appear in the Interview(Personality Test) of

100 marks. Candidates who are found to be unfit, will be informed of the position and they can make an appeal before Review Medical Board within the prescribed time limit of 15 days. Decision of Re-Medical Board / Review Medical Board will be final and no appeal / representation against the decision of the Re-Medical Board / Review Medical Board will be entertained.

Finally selected candidates for the posts of Sub-Inspector and Assistant Sub-

Inspector would, as part of training curriculum, have to pass seven obstacle events as

NOTE: Ex-Servicemen applying for the posts in CAPFs are not required to undergo

PET. However, all Ex-Servicemen are required to pass the written test and fulfill the

- ii) Holding the rope on jumping from the Board. iii) Tarzan Swing; iv) Jumping on the Horizontal Board;
- v) Parallel Rope: vi) Monkey Crawl;

i) Jumping over the Vertical Board;

vii) Vertical Rope. 11. GENERAL INSTRUCTIONS TO BE COMPLIED BY THE CANDIDATES IN THE **WRITTEN EXAMINATIONS**

be cancelled forthwith.

BALL POINT PEN ONLY.

- In the question papers, wherever necessary, the Metric systems of weights and measures only will be used. Candidates are not permitted to use calculators and other electronic gadgets
 - except as specified in the Notice. They should not, therefore, bring the same inside the Examination Premises/Venue for which their use is not permitted.

Candidates must write the papers/indicate the answers in their own hand.

Wherever applicable, the candidates must indicate /write the answer either in Hindi or in English. If answers are indicated/written partly in Hindi and partly in English and vice versa, the Answer script will not be evaluated and the candidate will be awarded zero marks.

If any candidate is found to possess mobile phones or any other means of wireless communication in the working or switched off mode, his/her candidature shall

- OMR Type of Answer Sheets will be supplied by the Commission to candidates for recording the answers of Multiple Choice Objective Type Candidates are advised to read very carefully, the instructions, placed on the
- Commission's website(Candidate's Corner), and instruction on OMR sheet /Question Papers in their own interest. Model OMR sheet is also provided on the website to enable the candidates to practice proper marking of the answer in objective type papers.

PART-A & PART-B OF OMR ANSWER SHEET TO BE FILLED IN BLACK/BLUE

Candidate should write his/her name, Roll Number, Ticket Number, Date of birth

the Commission to have qualified in the Examination shall be recommended for

view/personality test. As multiple options are available for various posts, allotment to

An Ex-Serviceman candidate who qualifies on the basis of relaxed standards viz. age

limit, experience or qualifications, permitted number of chances in written examination,

extended zone of consideration, etc. or who have not obtained civilian employment will

be counted against reserved vacancies and not against general vacancies subject to

fitness of such candidate for selection. Such candidates will also be recommended

at the relaxed standards to the extent the number of vacancies reserved for them, to

make up for the deficiency in the reserved quota, irrespective of their rank in the order

of merit. Deduction from the age of Ex-Servicemen is permissible against the reserved

or unreserved posts and such exemption cannot be termed as relaxed standards in

- and Test Form Number correctly, in the relevant places in OMR Answer Sheet and also affix signature and LIT on space provided for the purpose. Answer Sheet not bearing candidate's Name, Roll Number, Ticket Number, Test Form No, signature
 - and left hand thumb impression or in which such details have not been properly shaded will not be evaluated and 'Zero' marks will be awarded to them. 11. MODE OF SELECTION: After the written Examination and the Interview /personality test, the Commission will draw up an All India Merit List and, in that order, as many candidates as are found by

appointment upto the number of unreserved vacancies available taking into consideration their options for the posts included in the examination. The Commission will recommend the candidates in the Merit List on the basis of the aggregate marks obtained by the candidates in the written examination and inter-

posts will be on the basis of merit cum option. Therefore, candidates are advised to make their preferences with care. Options once exercised shall be final. Provided that SC, ST, and OBC candidates, who are selected on their own merit without relaxed standards, along with candidates belonging to other communities, will not

be adjusted against the reserved share of vacancies. Such SC, ST, and OBC candidates will be accommodated against the general/unreserved vacancies as per their position in the overall Merit List. The reserved vacancies will be filled up separately from amongst the eligible SCs, STs, and OBCs candidates which will thus comprise of SC, ST, and OBC candidates who are lower in merit than the last general candidate on merit list of unreserved category but otherwise found suitable for appointment even by relaxed standard.

Note: I: Success in the examination confers no right of appointment unless government is satisfied after such enquiry as may be considered necessary that the candi-

date is suitable in all respects of appointment to the service/post. **NOTE-II:** The candidates applying for the examination should ensure that they fulfill all the eligibility conditions for admission to the examination. Their admission at all the

8 feet (to be achieved in three

stages of examination will be purely provisional, subject to their satisfying the prescribed eligibility conditions. If, on verification, at any time before or after the written examination and skill test, it is found that they do not fulfill any of the eligibility condi-

ii) Marks in Paper-II iii) Marks in Paper-I

tions, their candidature for the examination will be cancelled by the Commission. 13. RESOLUTION OF TIE CASES In case where more than one candidate secure the equal aggregates marks, tie will be resolved by applying the following methods one after another:i) Total marks in written examination.

Continued on page 34

iv) Date of birth, with older candidates placed higher.

v) Alphabetical order in the first names of the candidates appear. 14. HOW TO APPLY: The application must be submitted only in the prescribed

entry in a document or the attested certified copy submitted by them nor should they submit a tampered/fabricated document. If there is any inaccuracy or any discrepancy in filling OMR sheet, they will be awarded "ZERO."

Without prejudice to criminal action/debarment from Commission's examination wherever necessary, candidature will be summarily cancelled at any stage of the recruitment in respect of candidates found have indulged in any of the following:

(i) In possession of MOBILE PHONE & ACCESSORIES AND OTHER ELECTRONIC GADGETS WITHIN THE PREMISES OF THE EXAMINATION CENTRONIC GADGETS WITHIN THE PREMISES WITHIN THE PREMISES WITHIN THE PREMISES WITHIN THE PREMI

TRES, WHETHER IN USE OR IN SWITCH OFF MODE AND ON PERSON OR OTHERWISE.

Involved in malpractices found on the basis of post examination analysis.

Using unfair means in the examination hall.

Obtaining support for his/her candidature by any means. (iv)

Impersonate/Procuring impersonation by any person.
Submitting fabricated documents or documents which have been tampered with.

Making statements which are incorrect or false or suppressing material information. (vii)

Resorting to any other irregular or improper means in connection with his/her candidature for the examination.

Misbehaving in any other manner in the examination hall with the Supervisor, Invigilator or Commission's representatives.

Taking away the Answer sheet with him/her from the examination hall, or pass-(x) ing it on to unauthorised persons during the conduct of the examination. Intimidating or causing bodily harm to the staff employed by the Commission for

the conduct of examination. To be ineligible for the Examination by not fulfilling the eligibility conditions mentioned in the Notice.

Candidature can also be cancelled at any stage of the recruitment for any other ground which the Commission considers to be sufficient cause for cancellation of candidature.

18. Candidates who have not affixed their signature or LTI or who have not written or coded detailed such as Name, Roll Number, Ticket Number and Test Form Numbers or not furnished the declaration/certificate on Page-I of the OMR answer sheet in Paper-I& Paper-II will be awarded 'ZERO' mark.

19. <u>COURTS JURISDICTION</u>
Any dispute in regard to this recruitment will be subject to courts/tribunals having jurisdiction over the City/Town in which the concerned Regional/Sub-Regional Office of the SSC is situated and where the candidate has submitted his/her application.

20. For detailed instructions relating to Application form, instructions for filling up the application form and for on-line payment/submission of application, candidates are advised to refer Annexure-I, II A and II B. Continued on page 35

The decision of the Commission in all matters relating to eligibility, acceptance or rejection of the applications, penalty for false information, mode of selection, conduct of examination(s) and interviews, allotment of examination centres, selection and allotment of posts/organization to selected candidates will be final and binding on the candidates and no enquiry/correspondence will be entertained in this regard. 17. Action against candidates found guilty of misconduct:

format on – line or on paper/off-line. For detailed instructions for filling up the

All candidates who apply in response to this advertisement by the CLOSING DATE will be assigned Roll numbers, which will be placed on the website of concerned Regional Office of the Commission within two weeks from the CLOSING DATE. A candidate must write his/her Roll number along with his/her name, date of birth and name of the

examination while addressing any communication to the Commission. Communication

Admission Certificates (ACs) for the Examination indicating the time table and also

venues of examination for each candidate will be issued to all applicants about two

weeks before the date of examination. The facility of downloading of ACs from the

Website of the concerned regional office will also be available simultaneously. IF ANY CANDIDATE DOES NOT RECEIVE ADMISSION CERTIFICATE FOR THE EXAMINATION OR IS UNABLE TO DOWNLOAD THE AC FROM THE WEBSITE OF THE

RESPECTIVE REGIONAL OFFICE OF THE COMMISSION WHERE THE CANDI-

DATED HAS APPLIED AT LEAST ONE WEEK BEFORE THE DATE OF EXAMINATION, HE/SHE MUST IMMEDIATELY CONTACT THE CONCERNED REGIONAL/SUB REGIONAL OFFICE (S) OF THE COMMISSION WITH PROOF OF HAVING SUBMITTED HIS/HER APPLICATION. (In case of Applications submitted by the Control of the Date of

under Certificate of Posting, the Date-Stamp of the Post-Office concerned should be

clearly legible). IN THE CASE OF ONLINE APPLICATION, REGISTRATION ID SHOULD BE AVAILABLE WITH THE CANDIDATE. FAILURE TO DO SO WILL

DEPRIVE HIM/HER OF ANY CLAIM FOR CONSIDERATION. THE COMMISSION

MAY ALSO SEND THE ADMISSION CERTIFICATE THROUGH E-MAIL AND,

THEREFORE, CANDIDATES ARE ADVISED TO FURNISH THEIR E-MAIL id IN THE

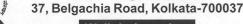
from candidates not furnishing these particulars shall not be entertained.

application form Annexure-IIA may be referred to.

15. ADMISSION TO THE EXAMINATION:

Candidates are warned that they should not furnish any particulars that are false or suppress any material information while filling in the application form. Candidates are also warned that they should in no case attempt to alter or otherwise tamper with any

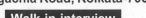
INDIAN VETERINARY RESEARCH INSTITUTE **Eastern Regional Station**



SPACE PROVIDED IN THE APPLICATION.

16. COMMISSION'S DECISION FINAL

Continued from page 33





A Walk-in-Interview is scheduled to be held on 5th April, 2013 from 11:00 AM at IVRI, ERS, Kolkata-700 037 for engagement of one JRF in the time bound project "MRSA" under DBT's Twinning programme. For qualifications and other details, candidates may visit the website: www.ivri.nic.in

Government of India



& Engineering Training (CIFNET) Fine Arts Avenue, Kochi - 682 016

Phone: 0484-2351610, 2351493, 2351790 Fax: 0484-2370879 E-mail: cifnet@nic.in

Admission Notification 2013

Applications are invited for

Bachelor of Fishery Science (Nautical Science)

4- year programme (8 semester) with integrated practicals & on board training on ocean going fishing vessels

Affiliated to Cochin University of Science & Technology, Kochi and approved by Directorate General of Shipping for the session 2013-17 conducted at this institution

Application form and Prospectus can be obtained from the Director, CIFNET, Fine Arts Avenue, Kochi - 16, on payment of Rs.500/- (Rs.250/for SC/ST) by Demand Draft drawn in favour of Senior Administrative Officer, CIFNET payable at Ernakulam and a self addressed and stamped (Rs.15) envelope (A4 size) or by cash from CIFNET Office. Application forms can also be had in person from the Institute HQ at Kochi and Units: CIFNET Unit, 59, S.N. Chetty Street, Royapuram, Chennai - 600 013 OR CIFNET Unit, Beach Road, Visakhapatnam - 530 001 OR can be downloaded from the Institute website www.cifnet.gov.in and applied alongwith DD for the above said amount

Special feature: On completion of this degree, basic modular courses with required sea experience are exempted from all written papers and directly (without Post-Sea courses) appear for the Mate Fishing Vessel oral examination leading to the issuance of Certificate of competency as Mate of a fishing vessel and also eligible for CDC as per MS notice 10 of 2010 dated 07.07.2010 subject to obtain a sponsoring letter from DG Shipping approved sponsoring agency.

Entry Qualification: 10 + 2 with minimum 50% marks in English 50% marks in Mathematics and 50% aggregate marks in other Science subjects. In the case of SC/ST students only a pass is required in the qualifying examination with above subjects.

The candidates, who are appearing 10 + 2 examination during March, 2013 are also eligible to apply. However the selection will be made only through marks obtained in 10 + 2 and entrance examination.

Age limit: Minimum 17 years and Maximum 20 years as on 1st October, 2013. Important dates

Intake capacity:

General Quota -20 seats.

NRI Quota - 1 seat Foreign National Quota - 1 seat

Mode of selection: Entrance Test (at Kochi, Chennai & Visakhapatnam), Academic Merit in (10 + 2) and Interview. Last Date of Issue of 17th May, 2013 application form Last date of Receipt 17th May, 2013 of filled in application Entrance Test 8th June, 2013

Date of Interview 16th July, 2013 Date of commencement 22nd July, 2013 of the course

Medical fitness/ Eye sight and colour vision: As per Merchant Shipping (Medical examination) Rules, 2000 as amended from time to time. System of Teaching: Semester system of instruction with theoretical and practical exposure and a special continuous Onboard training on oceangoing fishing vessels in each semester.

R.C.SINHA DIRECTOR

For further details please visit: www.cifnet.gov.in

EN 50/68

NORTHERN RAILWAY

RAILWAY RECRUITMENT CELL

LAJPAT NAGAR-I. NEW DELHI-110024

www.rrcnr.org

Subject: Select list - I against Employment Notification No. E/220E/Open Mkt/RRC/2010 Dated 17.12.2010

Reference above on the basis of written examination held on 06.05.2012, 13.05.2012, 27.05.2012, 03.06.2012, 10.06.2012, and 24.06.2012 and written examination result for PET notified on date 05.09.2012 and subsequent declaration of Result (post PET) on 23.11.2012 and 13.08.2012 for PH candidates, Select List-I of candidates is being uploaded on the website. (Find by entering Control No. and Roll No. on RRC website in the window provided). Remaining candidate's current status has also been uploaded.

As of now a total of 9,075 (Nine thousand and seventy five) candidates have been selected for appointment on various posts and locations on Northern Railway in Pay Band-I Grade Pay-1800/-. This also includes provisionally selected PH candidates.

Allotment of Posts and units/divisions will follow after completing all formalities. All appointments are subject to verification of original certificates from further respective Boards/Institutions and verification of bonafide of antecedents as per laid down procedure.

Statuts of Candidates who are still undergoing Medical and those whose documents/papers have been referred for further examination by Govt. nominated experts is indicated as such. They will be informed about the outcome at a later date.

Extra candidates have not been considered for empanelment. They are on waiting list. They will be considered only after resultant vacancies in the merit list of 11,439 candidates.

While all due care has been taken in preparing status, Railway Recruitment Cell/Northern Railway reserves the right to make amendments at any subsequent stage.

RRC/NR also reserves the right to declare any candidate successful or delete his/her name from the provisional/final notified result/select list at any stage of the recruitment procedure, on the grounds of discrepancy or malpractice brought to its notice at any stage. The decision of RRC based on the facts/evidence presented before itself in the matter shall be final.

RRC/NR will also not be responsible for any uploading, hacking/varius and programming error/s. For any such issues base record at RRC will always be final.

Date: 25.02.2013 477/2013

No.A.21011/1/2013-I Government of India **Department of Space**

Antariksh Bhavan Bangalore-560 231

One post of Controller (Adminis- tration) in the National Remote Sensing Centre (NRSC), Indian Space Research Organization, Balanagar, Hyderabad, Andhra Pradesh, of this Department in the Pay Band of ₹ 37400- 67000/- plus Grade Pay of ₹ 8700/- is to be filled on deputation basis. For eligibility criteria, application proforma and other details, visit the website of the Department at www.isro.gov.in under the link "Job Opportunity" EN 50/42

Maharshi Sandipani Rashtriya Vedavidya Pratishthan (Ministry of HRD, Govt. of India)

Veda Vidya Marg, Chintaman Ganesh, P.O. Jawasiya Ujjain-456006 (M.P.) Corrigendum Ref- EN 43/117, published in Employment

News dated 26 Jan--1 Feb 2013. The last date of receipt of application by Maharshi Sandipani Rashtriya Veda Vidya Pratishthan at Ujjain, may please be read as 25th March, 2013 instead of 15th March, 2013.

EN 50/84

Dy CPO/RRC

Serving Customers with a Smile

NSIC TECHNICAL SERVICES CENTRE (A Govt. of India Enterprise B-24, EKKADUTHANGAL, CHENNAI 600 032 Phone: 044-22252335/6/

Fax: 044-22254500 Email : chentrg@nsic.co.i ADMISSION NOTICE - BATCHES COMMENCING FROM 15.04.2013

	Skill Development Training Programme	es to be more	e employa	ible	
Sl.No	Course details	Duration	Fees	Eligibility	
1	PLC,SCADA with Calibration Techniques	6 weeks	7,000	BE/Diploma in EEE,ECE,E&I	
2	Embedded Design using RTOS	3 months	12,000	BE/Diploma in EEE/ECE/CS/ E&I/IT	
3	Advanced Networking using CISCO routers	2 months	10,000	Any degree	
4	3D design using Cad software - CATIA OR Solidworks	4 weeks	6,000	Deg./Dip. In Mech Engg./ D'Man (Mech)	
5	Introduction to Product Design using 3D Scanning and CMM Techniques (Reverse Engineering Techniques)	1 week	2,000		
6	3D Design and Modeling Using SolidWorks/or Unigraphics or CATIA or Inventor or Pro -E	4 weeks	6,000	Zinggii Z maii (man)	
7	CAD and CAM using Unigraphics	4 weeks	9,000		
8	CNC Programming & Operation	6 weeks	7,000	BE/Dip in Mech, Aeronautics,	

Automobile & ITI BE/Diploma in EEE,ECE,E&I, Mech Energy Management with Calibration technique Calibration on Pressure, Thermal & Electro 2 weeks Deg./Dip./ITI In Engg 4,000 Technical Parameters One year 5,000/-X std. Pass/Fail Machinist/Turner/Fitter/Electrician (non - ITI)

each

each

Age: 18 to 35 years. Relaxation for SC/ST/PH/Ex-servicemen as per rules. Service tax extra as applicable. Send Bio-data on plain paper mentioning the course name, e-mail ID/phone no. with copies of certificates and a Demand Draft for Rs.250/- drawn in favour of "NSIC LTD. A/C NTSC, CHENNAI" (SC/ST are exempted) to the above address by 29.03.2013 Hostel facility available for men only. Intimation will be sent to the candidates by Email/Phone/post. General Manager

अनुबंध-।/ANNEXURE-।

ASSISTANT SUB INSPECOR IN CISF AND INTELLIGENCE OFFICER IN NCB EXAMINATION 2013 Please read instruction in the Notice of the Examination/Annexure-II carefully. Use Blue or Black ball pen to write in the box सावधानी पूर्वक पढ़ लें । बॉक्स () में लिखने के लिए नीले या काले पेन का प्रयोग करें । कृपया परीक्षा के नोटिस में दिए गए अनुदेशों/संलंग्न विवरिणका को

3. उम्मीदवार का पूरा नाम (अंग्रेजी में) मैट्रिकुलेशन प्रमाण पत्र में विए गए नाम के अनुसार बड़े अक्षरों में लिखें। नाम के प्रत्येक दो भागों के बीच एक बॉक्स खाती छोड़ हैं। 2. केन्द्र कोड / Center Code 1. परीक्षा केन्द्र का नाम / Name of the Examination Centre

Candidate's Full Name (in English). Write in Capital Letters exactly as in Matriculation Certificate. Leave a box blank between every two parts of the name.

पिता का नाम (अग्रेजी के बड़े अक्षरों में लिखें) / Father's Name (Write in Capital Letters in English)

(Write in Capital Letters in English) 5. माता का नाम (अंग्रेजी के बड़े अक्षरों में लिखें)/ Mother's Name

(लिखें- 1 स्त्री एवं 2-पुरुष) (Write 1-Female & 2- Male) 10.1 क्या आप भूतपूर्व सैनिक हैं ? 7. लिंग/ Gender (लिखें 9 अना, 1 अजा, 2 अजजा एवं 6 अपिव) 10. ओणी / Category

(Write 3- Ex-Serviceman) (लिखें- 3-भूतपूर्व सैनिक) Whether Ex-ser (Write 9-General, 1-SC, 2-ST, 4-OBC

for Delhi police only, 6-OBC for all Whether seeking Age relaxation? other posts, (see para 3 of notice) 12. क्या आयु सीमा में छूट चाहते हैं ?

(Write -1-Yes, 2-No) (लिखे 1 हाँ, 2-नहीं)

13. भूतपूर्व सैनिक के लिए For Ex-Serviceman सेवा अविध / Length of Service

[कर्ष /Year]

सेवा समादि तिथि /Date of Discharge | | | | | | | | |

15. शैक्षिक योग्यता Educational Qualification कोड अंकित करें Indicate Code

16. कार्य का अनुभव / विवरण Details of work Experience / Govt. Service rendered संस्था का नाम Name of the Organisation(s)

17. पता : अपने नाम सहित पत्र व्यवहार का पूरा पता अंग्रेजी के बड़े अक्षरों में या हिन्दी में नीले या

including your Address: Write your complete Communication Address including y Name in English Capital Letters or Hindi with Blue or Black Ball Pen

नाम Name

Address

ई-मेल / Email :

17.1 मोबाइल नं./ Mobile No. : ...

(Do not staple. Do not get the Paste here firmly your recent Photograph attested) (स्टेपल न करें । फोटो को (4 cm.X 5 cm) सत्यापित न करवाएं) Photograph photograph

19. उमीदवार के हस्ताक्षर(केवल घसीट हस्तिलिपि में) Signature of the Candidate in the above Box (Only in running Hand)

के.भ.शुल्क टिकट चिपकाने जाने वाले टिकट हेतु स्थान

(3)

Rs. 100.00 का के.भ.शुक्क वह खरीदा गया है। स्टेपल न करे

purchased.

Please see para 1 of the notice.

(Do not Staple)

stamp by post office after affixing CRF stamp Space for cancellation

22. के.भ.शुल्क टिकट के लिए Space for CRF Stamp

तथा डाकघर से रद्द करा दें जहाँ से Paste here firmly CRF denomination and get Stamp of Rs. 100.00 it cancelled from the टिकट यहाँ ठीक ढंग से चिषकाएं post office where

(Write 1-Fee paid & 2- Exemption claimed)

11. Preference of Posts

10.2. Whether Departmental Candidate of

Delhi Police.

viceman?

(Write 1-Indian & 2 - Others)

8. राष्ट्रीयता /Nationality

(लिखें- 1 भारतीय एवं 2-अन्य

Write-1 Yes, 2 No. क्या विभागीय अभ्यर्थी है (लिखें 1 हाँ , 2-नहीं)

(A,B,C,D,E,F,G,H)

(लिखें- 1 शुल्क का भुगतान देय, 2-छूट का दावा किया

9. शुल्क/ Fee

21.घोषणा / Declaratior

मैंने इस भर्ती के लिए कोई और आवेदन पत्र नहीं भेजा है मुझे यह मालूम है कि यदि मैं इस नियम का उल्लंघन करता/करती हूँ तो आयोग

I have not submitted any other application for this examination. I am aware that if I contravene this rule, my application will be rejected summarily by the Commission द्वारा मेरा आवेदन सरसरी तौर पर अस्वीकार कर दिया जाएगा

have read the provisions in the Notice of the examination carefully and hereby undertake to मैंने विज्ञाप्त में दी गई शतों को ध्यानपूर्वक पढ़ लिया है, और मैं एतद्द्वारा उनका पालन करने का वचन देता/देती हूँ।

मैं यह भी घोषणा करता/करती हूं कि मैं इस परीक्षा में प्रवेश के लिए निर्धारित आयु सीमा,शैक्षिक योग्यता, आदि संबंधी पात्रता की सभी

मैं यह भी घोषणा करता/करती हूँ कि मुझे आजतक कर्मचारी चयन आयोग/संघ लोक सेवा आयोग द्वारा किसी भी परीक्षा में बैठने से नहीं शर्ते को पूरा करता/करती हूँ । I further declare that I fulfill all the conditions of eligibility regarding age limits, educational qualifications etc., prescribed for admission to the examination.

सरकारी सेवा से कभी भी बर्खास्त नहीं किया गया है अथवा हटाया नहीं गया है अथवा परिवीक्षा के दौरान मेरी सेवा समाप्त नहीं की गई रोका गया है तथा न ही मेरे खिलाफ किसी भी विध न्यायालय में कोई आरोप पत्र लंबित हैं । मैं यह भी घोषणा करता/करती हूं कि मुझे

also declare that I do not stand debarred by SSC/UPSC as on date and have never been convicted by any court of law. I also declare that no charge sheet is pending against me in any court of law. Further declare that I have never been dismissed or removed from Govt. Service or my service been terminated during probation.

मैं यह धोषणा करता/करती हूं कि मैं केन्द्र सरकार का एक असैनिक कर्मचारी हूँ एवं नियमित आधार पर 3 वर्ष की सेवा या सेवाकाल अवधि जैसा की परीक्षा नोटिस में निर्धारित हैं, आवेदन पत्र जमा करने की अंतिम तिथि या उससे पूर्व पूर्ण कर ती हैं। (v) * आयु सीमा में छूट चाहने वाले केन्द्र सरकार के असैनिक कर्मचारी के लिए

regular length of service stipulated in the Notice of the examination on or before date of closing I declare that I am a Central Govt. Civilian Employee and completed 3 years of regular service or * For Central Govt. Civilian Employee seeking age relaxation. of submitting application form given in the Notice. (vi) * अन्य पिछड़ा वर्ग से संबंधित अभ्यर्थी के लिए

14. क्या आप अल्पसंख्यक है ? (अल्पसंख्यक के लिए 8 लिखें ।)

13.1 Whether eligible for special quota for Exs for Delhi Police

(Write two digit numeric code) (दो अंकों का संख्यात्मक कोड अंकित करें)

Age as on 01.1.2013

12.2. 01.01.2013 को आयु

12.1 यदि हाँ, कोड अंकित कर्रे If yes, indicate code

www.employmentnews.gov.in मैं यह भी घोषणा करता /करती हूँ कि मैं उस समुदाय से संबंधित हूँ जिसे कार्मिक एवं प्रशिक्षण विभाग के दिनांक 8.9.1993 के उल्लेखित है, उसके तहत उपरोक्त कार्यालय ज्ञापन सं. कॉलम 3 में उल्लिखित व्यक्तियों/वर्गो (क्रीमी लेयर) से संबंधित नहीं हूँ, मैं यह भी of India for the purpose of reservation in services as per order contained in Deptt. of Personnel and Training Office Memorandum No.36012/22/93-Estt. (SCT) dated 8.9.1993. I also declare that I do not belong to the person/sections (creamy layer) mentioned in column 3 of the schedule of कार्यालय ज्ञापन सं 36012/22/93-स्था (एससीटी)में विहित आदेशों के अनुसार भारत सरकार द्वारा सेवाओं में आरक्षण के प्रयोजन हेतु पिछड़ा वर्ग माना गया है । यह भी घोषणा की जाती है कि भारत सरकार कार्मिक मैं प्रशिक्षण विभाग के विभिन्न संशोधनों जो कि नीटिस में I declare that I belong to the community which is recognized as a backward class by the Govt. the OM mentioned above and modified vide Govt. of India DOPT OMs mentioned in the Notice. I further declare that I will produce valid OBC certificate as per para 4(C) of notice of घोषणा करता/करती हूँ कि मै परीक्षा की विज्ञानि के पैरा 4(ग) के अनुसार निर्धारित प्रारुप में वैध अन्य पिछड़े वर्ग संबंधी examination in the prescribed format. For Candidate belonging to OBC. भूतपूर्व सैनिकों के लिए करंगा/ करंगी

मैं घोषणा करता/करती हूँ कि मैं परीक्षा विज्ञप्ति के अनुसार भूतपूर्व सैनिक संबंधित पात्रता की सभी शतों को पूरा करता/करती हूँ और मैंने भूतपूर्व सैनिक के रूप में केन्द्र सरकार के अंतर्गत सिविल साइड में कोई रोजगार प्राप्त नहीं किया है । declare that I fulfill all the eligibility condition relating to Ex-Serviceman as per notice of examination and I have not availed employment in civil side under Central Government as Ex-For Candidate belonging Ex-Serviceman

(E)

माध्यम (आंग्रीन-1, हिन्दी -2 व अन्य-3) Medium (English-1, Hindi-2, Others-3)

Percentage (%) of Marks

विषय कोड ubject Code

अंकों का प्रतिशत(%)

(Please see para 2 of the notice)

क्ष/Year

(Write 1 for Yes 2 for No)

Whether belong to Minority Communities

as per Govt. Orders? (Write 8 for minority

Period of Service

कार्य की अवधि / से /From

कार्य का विवरण Name of the Duty(ies)

Designation

अनुक्रमांक(केवल कार्यालय प्रयोग के लिए)

20.

4 से. मी.x 5 से.मी. आकार का हाल ही में खींचा गया फोटोग्राफ

यहां ठीक ढ़ंग से चिपकायें ।

Roll Number (for Office use only)

(viii) मैं एतद्द्वारा यह भी घोषणा करता /करती हूँ कि इस आवेदन पत्र में दिए गए सभी विवरण मेरी अधिकतम जानकारी और विश्वास के अनुसार सत्य, पूर्ण एवं सही है । मैं समझता/समझती हूं कि यदि इस परीक्षा से पहले या बाद में कोई भी सूचना छुपाई गई/मूठी या असत्य पाई जाने पर या अपात्रता का पता लगने पर मेरी अभ्यर्थिता/नियुक्ति निरस्त की जा सकती है ।

the best of my knowledge and belief. I understand that in the event of any information being I hereby declare that all statements made in this application are true, complete and correct to found suppressed/false or incorrect or ineligibility being detected before or affer examination, my candidature/appointment is liable to be cancelled.

Signature of candidate (only in running hand)

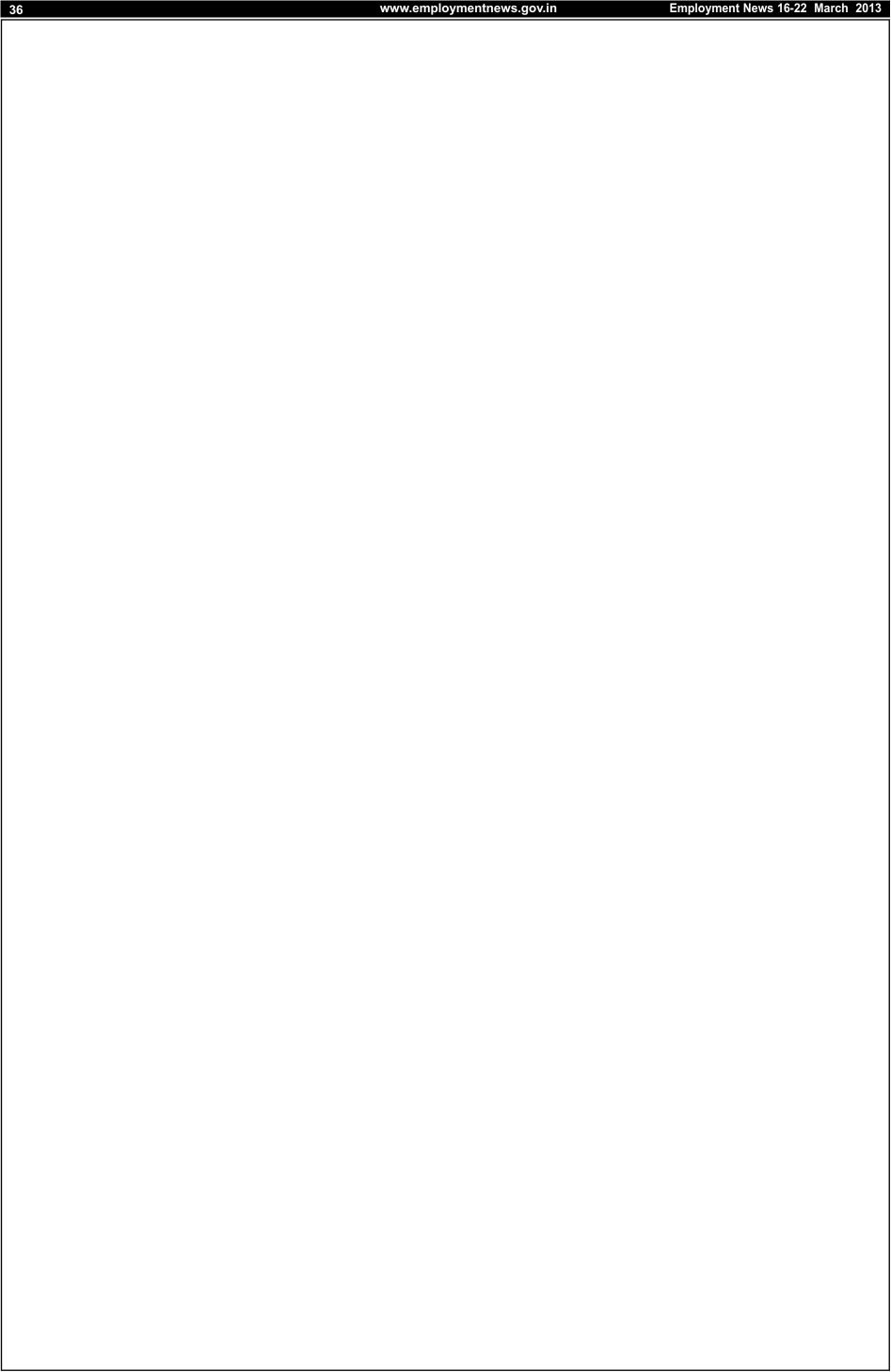
उम्मीदवार के हस्ताक्षर(केवल घसीट हस्तिलिप में)

* यदि लागू न हो तो यह लाईन काट दें ।

तारीख /Date:

स्थान /Place

अहस्ताक्षरित आवेदन पत्र को निरस्त कर दिया जाएगा । Unsigned application will be rejected * Strike off this sentence if not applicable 35 Continued on page 37



other attested or true copy.

(The format of the certificate to be produced by Scheduled Castes and Scheduled Tribes candidates applying for appointment to Continued I also understand that I shall not be eligible to be appointed to a vacancy reserved for Ex-S in regard to the recruitment covered by this examination, if I have at any time prior to such appointment, secured any employment on the civil side (including Public Sector Undertakings, Autonomous Bodies/Statutory Bodies, Nationalized Banks, etc.) by availing of the concession of reservation of vacan-Then upload your scanned signature in 8 – bit JPG format. The digital size of the file must be less than 12 kb and greater than Request for change/correction in any particulars in the Application Form shall not be entertained under any circumstances. The Staff Selection Commission will not be responsible for any consequences arising out of non acceptance of any correction/addition/deletion in any particular filled in application form whatever the reasons may be. cer as indicated below of the District in which his parents(or surviving parent) ordinarily reside who has been designated by the State To pay fee in cash, candidate should take print-out of challan generated online after completion of part I registration. Deposit Those who want to pay online through SBI net banking, can go directly to part II registration after completion of part I. Candidate As approval of the Controller General of Accounts, Ministry of Finance, is awaited for use of credit cards/ debit cards, since December 2009, payment through these modes will not be available. Then upload a recently taken scanned photograph in 8 – bit JPG format. The digital size of the file must be less than 12 kb and Government concerned as competent to issue such a certificate. If both his parents are dead, the officer signing the certificate should There is no objection to his appearing for the Sub-Inspector/Assistant Sub-Inspector examination, 2013 and/or Interview-cum-peris due to complete the specified term of his engagement with the (Signature of Commanding Officer) charged from the Armed Forces and that I am entitled to the benefits admissible to Ex-Servicemen in terms of the Ex-Servicemen (Signature of the Candidate) A candidate who claims to belong to one of the Scheduled Caste or the Scheduled Tribes should submit in support of his claim an attested/certified copy of a certificate in the form given below, from the District Officer or the sub-Divisional Officer or any other offibe of the district in which the candidate himself ordinarily resides otherwise than for the purpose of his own education. Wherever photograph is an integral part of the certificate, the Commission would accept only attested photocopies of such certificates and not any FORM OF CERTIFICATE TO BE SUBMITTED BY CENTRAL GOVERNMENT CIVILIAN EMPLOYEES SEEKING AGE-RELAX. understand that, if selected on the basis of the recruitment/examination to which the application relates, my appointment will be subject to my producing documentary evidence to the satisfaction of the Appointing Authority that I have been duly released/retired/disis a Central Government Civilian employee holding the post of Form of Certificate for serving Defence Personnel (Please see Note III Para-4 (B) of Notice for the Examination) I hereby certify that, according to the information available with me (No.) with 3 years regular service in the grade. Office Seal UNDERTAKING TO BE GIVEN BY THE CANDIDATE COVERED UNDER NOTE III PARA 4(B) OF NOTICE. Signature Name Office seal Candidates are advised to go through the instructions carefully before filling up the application form. the requisite fee in pay branch of State Bank of India and then continue with the Part II registration. (Re-employment in Central Civil Services and Posts rules, 1979, as amended from time to time). will have to supply registration number and date of birth to continue to Part II registration. FORMAT FOR SC/ST CERTIFICATE (To be filled by the Head of the Office or Department in which the candidate is working) greater than 4 kb of resolution 100 pixel widths by 120 pixels height. Those who are exempted from payment of fee can skip steps 6 to 8. 1 kb of resolution 140 pixel width by 60 pixels height. (*Please delete the words which are not applicable.) in the pay scale of Rs. Date of appointment in Armed Forces I further submit the following information: Length of service in Armed Forces (Please see Para 4(B) of the Notice) It is certified that *Shri/Smt./Km. (Name) sonality test of the examination. Armed Forces on the (Date) cies admissible to Ex-S My last Unit / Corps Date of discharge Place: Place: Date: Place: Date: Date: 12 5. 4. \widehat{G} $\widehat{\Omega}$ \widehat{G} œ. 6 Annexure – II A items in the application itself which should be gone through carefully before Write your complete communication address including your Name in English in capital letters or in Hindi with blue/black ball pen. Do not forget to write 6 digits PIN Code in the boxes. All the correspondence will be made to this address. Candidate should press "I agree" button after declaration once after he/she finds that information supplied by him/her is in order Transaction ID of the Bank should be properly entered in the relevant space, failing which it will not be possible to link the paytion form for all its examinations. Therefore please read the instructions given filling up the boxes. For items for which instructions are not available, further _instructions given below may be gone Column 15. Educational Qualification from Degree or Equivalent onwards: See Annexure –X for Codes. Use OTHERS (Code s. Use OTHERS(code No.48) for other subjects. If marks are not available (some **Column 17.1:** E-mail ids/mobile nos. are used for communicating with the candidates in emergencies. Commission is also examining whether Admission Certificates for Written Examination, PET/ME and Interview/Personality Test can be sent through e-mail/SMS. Annexure-II B The online submission of the application may be made at website www.ssconline.nic.in . Candidate should read the instructions in this Notice carefully before making any entry or selecting options. Candidate should supply all the required details while filling generated. Note down registration number or take out the print out of the page. The part II registration. Part II registration requires filling of payment details, uploading of ndidates may note that the Registration number given by the Commission and lication will be complete only if scanned signature and photo are uploaded as per Paste your recent photograph of size 4cmx5cm. Do not sign on the photograph or staple and do not get the photo attested. Please note that your application shall be rejected summarily without the photograph or with mutilated/defaced photo-Please sign in running hand only. Signature in capital letters of English or unsigned application shall not be accepted and In Part I registration, candidate will have to fill basic information. On submission of details, candidate shall be prompted to check Column 14: Candidates may indicate whether they belong to one of the minority communities notified by Govt. namely, Muslims, Candidates who have to pay application fee can pay fee online through SBI net banking or cash through SBI bank challan. up the online form. Mandatory fields are marked with * (asterisk) sign. The filling of online application contains two parts: Please go through the instructions given below for filling up each item numbered in the application form:before filling up the application form, in your own interest. **NS FOR FILLING UP THE APPLICATION** for Online Submission of Application universities use grades), equivalent marks may be filled or marks column may be left blank. Up to 5.00 PM on 10-04-2013. Up to 5.00 PM on 12-04-2013 Assistant Sub-Inspector in Central Industrial Security Force (CISF) and no correction is required. Thereafter no correction/modification etc. shall be allowed. Name of the Examination Centre and Column 2 Centre Code Refer to para-7 of the Notice of the Examination. to be left unfilled (blank) by the candidate. A. Sub Inspector in Delhi Police(DP)
B. Sub- Inspector in Border Security Force (BSF)
C. Sub-Inspector in Central Industrial Security Force (CISF)
D. Assistant Sub-Inspector in Central Industrial Security Force
E. Sub-Inspector in Central Reserve Police Force (CRPF)
F. Sub-Inspector in Indo-Tibetan Border Police Force (ITBPF)
G. Sub-Inspector in Sashastra Seema Bal (SSB)
H. Intelligence officer in Narcotics Control Bureau(NCB) Sub-Inspector in Indo-Tibetan Border Police Force (ITBPF) Candidates should carefully indicate preference for posts. BROCHURE Notice of the Examination the boxes. i.e. nese details application Christians, Sikhs, Buddhists or Zoroastrians (Parsees) Column 11.1 - Code for seeking age relaxation. The Commission uses standard applica Instructions have been given for most (ii) Box in the Application Form for Roll Number On-line application will be available as below:-Then a page with Registration No. shall be photograph and scanned signature. Ca Use only blue/black ball pen to write in It is in the interest of the candidate to furnish the your application shall be summarily rejected ment with Part I registration. On-line app in the Notice of Examination carefully Refer to para 4 B of the application procedure is incomplete withou INSTRUCTIO Subject Code: See Annexure – XI for code **Procedure** the details and make any correction in the Column 19 & 20. Signature of Candidate Part-II Registration: Column 17. Address for communication Part-I Registration: No.35) for any other qualification. Column 12. Preference for Posts Continued form Page 35 through carefully. Part II Registration Part I Registration Column 1 and 2 **Photograph** instructions. graph. 0. κi 4. 6 ω. 5

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ANNEXURE- IV

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ANNEXURE-1

ANNEXURE-V

16-22 March

2013

ANNEXURE-III

ment News

	certificate ONLY FROM THE REVENUE DIVISIONAL OFFICER.
ıti/Kumari*	of vil-
	CEDEMAT OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR APPOINTMENT TO
belongs to the Caste/Tribeswhich is recognized as a Scheduled Castes/Scheduled Tribes* under:-	POSTS UNDER THE GOVERNMENT OF INDIA)
The Constitution (School and Costes) and a 1050	This is to certify thatson/ daughter of

the

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belongs to the

District/Division

Resolution No. 12011/9/94-BCC, dated 19.10.1994 published in Gazette of India extraordinary Part I Section I No. 163, dated

20th October, 1994. Resolution No. 12011/7/95-BCC dated the 24th May 1995 Published in the Gazette of India extraordinary Part-I Section I No.

Resolution No. 12011/68/93-BCC dated the 10th September, 1993, published in the Gazette of India Extraordinary – Part Community which is recognized as a backward class under: Section I, No. 186 dated 13th September, ō The Constitution (Scheduled Tribes) Union 1960 heduled Tribes Lists(Modification) order, 1956, the Bombay Reorganization Act, The Constitution (Scheduled Castes) Union Territories order, 1951 Constitution (Scheduled Castes) order, 193 The Constitution (Scheduled Tribes) order, 195 As amended by the Scheduled Castes and Sc Territories Order, 1951*

& the Punjab Reorganization Act, 1966, the State of Himachal Pradesh Act 1970, the North-Eastern Area (Reorganization) Act, and the Scheduled Castes and Scheduled Tribes Order(Amendment) Act. 1976 The Constitution (Scheduled Castes) order, 1950

The Constitution (Scheduled Tribes) order, 1950

The Constitution (Scheduled Castes) Union Territories order, 1951

amended by the Scheduled Castes and Scheduled Tribes order (Amendment Act), 1976* The Constitution (Andaman and Nicobar Islands) Scheduled Tribes Order, 1959 as uled Castes and Scheduled Tribes 970, the North-Easterr The Constitution (Jammu & Kashmir) Scheduled Castes Order, 1956 Area(Reorganization) Act, 1971 and the Sched Act, 1966, the State of Himachal Pradesh Act Order(Amendment) Act, 1976.

960 & the Punjab Reorganization

ritories Order, 1951*

The Constitution (Scheduled Tribes) Union Ter

As amended by the Scheduled Castes and Scheduled Tribes Lists(Modification) order, 1956, the Bombay Reorganization Act, 1960 & the Punjab Reorganization

Resolution No.12011/88/98-BCC dated 6th December, 1999, published in the Gazette of India, Extra Ordinary Part-I, Section-

published in the Gazette of India - Extraordinary-part I,

Resolution No. 12011/44/96-BCC, dated the 6th December, 1996, Section-I, No. 210, dated the 11th December, 1996.

Resolution No.12011/96/94-BCC dated 9th March, 1996

Resolution No.12011/99/94-BCC dated 11th December, 1997.

No.270, 6th December, 1999.

dated 4th April, 2000.

dated 21.9.2000

Resolution No.12011/13/97-BCC dated 3rd December, 1997 Resolution No.12011/68/98-BCC dated 27th October, 1999

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Resolution No.12011/44/99-BCC dated 21.9.2000, published in the Gazette of India, Extra Ordinary Part-I, Section-I, No.210

Resolution No.12011/36/99-BCC dated 4th April, 2000, published in the Gazette of India, Extra Ordinary Part-I, Section-I, No.71

Resolution No.12015/9/2000-BCC dated 06th September 2001 published in the Gazette of India, Extra Ordinary Part-I Section-

Resolution No.12011/42002-BCC dated 13th January 2004 published in the Gazette of India, Extra Ordinary Part-I Section-1

Resolution No.12011/1/2001-BCC dated 19th June 2003 published in the Gazette of India, Extra Ordinary Part-I Section-

1 No.246 dated 06th September 2001

No.9 dated 13th January 2004.

No.151 dated 20th June 2003

No.67 dated 12th March, 2007.

Š

Resolution No.12011/142002-BCC dated 12th March 2007 published in the Gazette of India, Extra Ordinary Part-I Section-1

The Constitution (Dadra and Nagar Haveli) Scheduled Tribes Order 1962@ heduled Castes order 1962 The Constitution (Dadra and Nagar Haveli) Sc

The Constitution (Pondicherry) Scheduled Castes Order 1964@
The Constitution (Scheduled Tribes) (Uttar Pradesh) Order, 1967 @
The Constitution (Goa, Daman & Diu) Scheduled Castes Order, 1968@
The Constitution (Goa, Daman & Diu) Scheduled Tribes Order 1968 @

The Constitution (Nagaland) Scheduled Tribes Order, 1970 @

The Constitution (Sikkim) Scheduled Castes Order 1978@

The Constitution (Sikkim) Scheduled Tribes Or

The Constitution

(Jammu & Kashmir) Scheduled Tribes Order 1989@

1990@

der 1978@

The Constitution (ST) orders (Amendment) Ordinance 1991@
The Constitution (ST) orders (Second Amendment) Act, 1991@

Constitution (SC) orders (Amendment) Act

The Constitution (ST) orders (Amendment) Ordinance 1996

Scheduled Ca

Applicable in the case of

Scheduled Castes/ Scheduled tribes certificate issued to Shri/Shrimati the on the basis of Father/mother certificate is issued Shri/Srimati/Kumari'

of village/town

in District/Division*

of the State/Union Territory*

<u>.s</u> Caste/Tribe which

recognized who belong to the led Tribe in the

σ as

State/Union Territory* issued by the

Note-I (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950. (b) The authorities competent to issue Caste Certificate are indicated below:
(i) District Magistrate/Additional Magistrate/Collector/Dy. Commissioner/ Additional Deputy Commissioner/Deputy Collector/Ist Class Stipendary Magistrate/ Sub-Divisional Magistrate/Taluka Magistrate/ Executive Magistrate/Extra Assistant Commissioner (not below (ii) Chief Presidency Magistrate /Additional Chief Presidency Magistrate/ Presidency Magistrate. the rank of 1st Class Stipendiary Magistrate)

Seal:

ites, Scheduled Tribes persons who have migrated from one State/Union Territory

Sub-Divisional Officer of the area where the candidate and/or his family resides. (iii) Revenue Officer not below the rank of Tehsildar

NOTE-II: The Candidate should furnish the relevant OBC certificate in the format prescribed for Central Government jobs as

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This is also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in column 3 of the Schedule to the Government of India, Department of Personnel & Training OM No. 36012/22/93-Estt. (SCT,) dated 08.09.1993 and modified vide Govt. of India Deptt. of Personnel and Training OM No. 36033/3/2004-Estt(Res) dated 09.03.2004 & 14.10.2008

Deputy Commissioner etc.

Annexure-VII issued by the Competent authority at the time of interview.

Note-III:

(with seal of office)

of the .⊑

reside(s)

ordinarily

family

his/her

/or

Shri/Shrimati/Kumari

State/Union Territory of

village/town*

Scheduled Caste/Scheduled

dated

ō

District/Division*

**Designation Signature

The Certificates should have been obtained within three years before closing date of receipt of application i.e. 12-04-2013. Certificate issued upto the last tier of examination i.e. interview will also be accepted by the Commission.

FORM OF CERTIFICATE TO BE SUBMITTED BY THOSE CANDIDATES WHO INTEND TO AVAIL RELAXATION IN HEIGHT OR **ANNEXURE-VII**

(Garhwali, Kumaoni, Dogras, Marathas. is permanent (Please see Note below Para 10(A) /10(B) of the Notice for the Examination) ō CHEST MEASUREMENT District Residents of entire area mentioned above are considered as Tehsil/Taluka 2. It is further certified that Shri Certified that

resident of village

Sikkimies) for relaxation in height measurement for recruitment in the para military forces of the Union of India.
* he / she belongs to Himachal Pradesh / Leh and Ladakh / Kashmir Valley / North-Eastern States which is considered for relaxation in height measurement for recruitment in the para military forces of Union of India he / she belongs to Scheduled Tribe.

will have the same meaning as in section 20 of the Representation of the People Act,

Magistrate/Collector/Deputy Commissioner/Additional Deputy Commissioner/istrate/Sub-Divisional Magistrate/Extra-Assistant Commissioner/Taluka Magistrate/

** List of authorities empowered to issue Caste/Tribe Certificates:

District

Dy.Collector/Ist Class Stipendiary Magi

Executive Magistrate.

District Magistrate/Additional

Please delete the words which are not applicable

Delete the paragraph which is not applicable.

Please quote specific Presidential Order

8(@

NOTE: The term ordinarily reside(s) used here

Chief Presidency Magistrate/Presidency Magistrate

Revenue Officers not below the rank of Tehsildar

(ii) Chief Presidency Magistrate/Additional Cr (iii) Revenue Officers not below the rank of Te (iv) Sub-Divisional Officers of the area where NOTE: ST candidates belonging to Tamil Nadu

the candidate and/or his family normally resides.

state should submit caste

whichever is not applicable

Delete

Place:

Employment News 16-22 March 2013 Signature District Magistrate / Sub-Division Magistrate / Tensildar

Continued on page 39

Employment News 16-22 March 2013

ANNEXURE-IX FORM OF CERTIFICATE TO BE SUBMITTED BY

PARTMENTAL CANDIDATES) (DEF

TO BE FILLED BY THE HEAD OF THE OFFICE

(PLEASE SEE PARA 4(B) OF THE NOTICE FOR THE EXAMINATION)

is continuously serving in the he has completed the period of Name ree years regular service. It is also certified that in the rank of Certified that as per entire made in the Service Book, No. and has completed the was appointed in

(name of the unit). During He is presently posted in this unit probation satisfactorily on his service he has been awarded

minor punishments. major punishments and

Signature of Head of Office

ANNEXURE-X Office Seal

Essential Educational Qualification Code

a citacililan O lancitanina la	26.0	2 - 14 - 2 - 14 - 14 - 14 - 14 - 14 - 14
	epoo Code	Educational Qualification
BA	02	B. Lib.
BA (Hons.)	90	B. Pharm.
B. Com.	07	ICWA
B.Com. (Hons.)	80	CA
B.Sc.	60	PG Diploma
B.Sc. (Hons.)	10	MA
7	7	M.Com.
	- 5	M. Sc.
	4	M.Ed.
BE	13	WII
B. Tech	14	ME
AMIE (Part A & Part B)	15	M Tech
B.Sc. (Engg.)	16	M. Sc. (Enga.)
BCA	17	MCA (33)
BBA	18	MBA

alification Graduation issued by Defence (Indian Army, Air Force, Navy) Subject Code for Educational Qu

Subject of Educational Qualification	Code	Subject of Educational Qualification
History	10	Computer Application
Political Science	02	Information Technology
Economics	03	Library Science
English Literature	40	Accountancy
Hindi Literature	90	Work Accountancy
Geography	90	Business Administration
Commerce	20	Mass Communication
Law	08	Journalism
Physics	60	Mass Communication & Journalism
Chemistry	10	Pharmacy
Mathematics	11	Photography
Statistics	12	Printing Technology
Botany	13	Nursing
Zoology	14	Assamese
Agriculture Science	15	Bengali
Civil Engineering	16	Malyalam
Electrical Engineering	17	Telgu
Mechanical Engineering	18	Kannada
Electronics Engineering	19	Tamil
Electronics & Power Engineering	20	Marathi
Electronics & Communication Engineering	21	Gujrati
Electronics & Instrumentation Engineering	22	Urdu
Agriculture Engineering	23	Sanskrit
Computer Science	24	Others



S.C.O. 34, 2nd FLOOR, SECTOR 7-C, CHANDIGARH-160019 **MENT BOARD** RAILWAY RECRUITN

FINAL RESULT FOR THE POSTS OF JUNIOR ENGINEERS/DMS

Website: www.rrbcdg.gov.in

On the basis of Written Examination held on 09-09-2012 and Candidature & Documents verification held on 14-02-2013 to 16-02-2013 at Chandigarh by this Board for the following categories/posts of Centralized Employment Notice No. 01/2012, the candidates bearing following Roll numbers have been found provisionally selected and placed on panel. This list does not show merit position of candidates.

(Please prefix Digit "17121" before each Roll Number)

264004031

264003927

264003911

261001840

261001830 263003498

261001820 263003478

261001775

261001533

263003433 263003441

(Total 38)

264004869

264004645 264004646 264004750

POST - JUNIOR ENGINEER (WORKS) - CAT 26

264004391 264004589 264004336 261001386 262002981 264004080 264004091 264004125 264004162 264004198 261000056 261000534 261000973 261001048 261001254 262002535 262002569 262002678 262002745 (Result of 07 candidates is with-held for further scrutiny) POST - JUNIOR ENGINEER (BRIDGE) - CAT 27 262002531

273001303 274001538

POST - JUNIOR ENGINEER (ESTIMATOR/DRAWING/DESIGN CIVIL) /DRAWING CIVIL (TRACK MACHINE) - CAT 28 (Result of 01 candidate is with-held for further scrutiny)

25 26 28 28 28

23 24

www.employmentnews.gov.in

472005069

(Total 24)

474009129 478009704

424009835

424008994 424009370 424009551

423008691

423008571

423008562 425011564

(Total 33)

(Total 21)

284001256

284001241

POST - JUNIOR ENGINEER (SIGNAL) - CAT 47	471001252 471001255 471001640 471001916 471002035	472005152 473006561 474007352 474007503 474007732
PION	4710	4730
POST - JU	471001252	472005152

Annexure-XI

35 34

484008738

484008635

484008318 484008485 484008513

483006119

484006331	484006850	484007250	484006331 484006850 484007250 484007598 484007802 484008263 4840	484007802	484008263	4840
485009018	485009018 485009020 (Total 29)	(Total 29)				
candidates:	candidates is with-held for further scrutiny)	for further s	crutiny)			
NIOR ENG	INEER DRA	WING/DRA	NIOR ENGINEER DRAWING/DRAWING & DESIGN/SIGNAL/S&T - CAT 52	SIGN/SIGN	/L/S&T - C/	T 52

484008751 (Result of 02

> 28 29 30

32 88 8 35

3

483006123

543008978 544010730 545013440

543008957

544010620 544012772

544010589

544012484

541004278

541004142 543008929

(Total 11)

POST - DEPOT MATERIAL SUPERINTENDENT - CAT 58

39

36 37 6

42 43 4

4

The individual letters to the candidates are being sent separately. Appointment letters to the candidates will be issued by Northern Railway subject to his/her suitability in all respects, availability of vacancies, final verification of certificates and Medical fitness etc, as per rules. However, RRB will not be responsible for the postal delay or wrong delivery, if any, in case of non-receipt of letter. (Result of 01 candidate is with-held for further scrutiny)

(Total 5)

While every care has been taken in preparing the above result, the possibility of any inadvertent error cannot be ruled out. The Board do not take responsibility for such errors and reserve the right IMPORTANT : - Candidates are advised to beware of fake Website which may be of mis-guiding nature. Candidates are also advised to Log on to only the authorized Website of Railway Recruitment Board and refer to Instructions published in Centralized Employment Notifications

Date: 27-02-2013

EN 50/96

davp 32204/11/0107/1213

45

"SERVICE WITH A SMILE"

39 EN 50/52

CHAIRMAN



UNION PUBLIC SERVICE COMMISSION

EXAMINATION NOTICE NO.05/2013-IFoS

DATED 05.03.2013

(LAST DATE FOR SUBMISSION OF APPLICATIONS: 04.04.2013)

INDIAN FOREST SERVICE EXAMINATION, 2013

(Commission's website - www.upsc.gov.in)

F.No.13/2/2013-EI(B): The Union Public Service Commission will hold a Screening Test for selection to Indian Forest Service (Main) Examination, 2013 through Civil Services (Preliminary) Examination, 2013 which will be held on 26th May, 2013, in accordance with the Rules published by the Ministry of Environment and Forests in the Gazette of India dated the 5th March 2013.

(A) The Preliminary Examination will be held at the following Centers:

AGARTALA GANGTOK PATNA HYDERABAD PUDUCHERRY AHMEDABAD IMPHAL AIZAWL PORT BLAIR ALIGARH **ITANAGAR** RAIPUR ALLAHABAD **JAIPUR RANCHI** AURANGABAD JAMMU SAMBALPUR BANGALORE **JODHPUR** SHILLONG **BAREILY JORHAT** SHIMLA **BHOPAL** KOCHI **SRINAGAR** CHANDIGARH KOHIMA THIRUVANAN-CHENNAI KOLKATA THAPURAM CUTTACK LUCKNOW TIRUPATI **DEHRADUN MADURAI UDAIPUR** VISHAKHA-DELHI MUMBAI **DHARWAR NAGPUR** DISPUR PANAJI (GOA)

The centres and the date of holding the examination as mentioned above are liable to be changed at the discretion of the Commission. Applicants should note that there will be a ceiling on the number of candidates allotted to each of the Centres, except Chennai, Delhi, Dispur, Kolkatta and Nagpur. Allotment of Centres will be on the "first-apply-first allot" basis, and once the capacity of a particular Centre is attained, the same will be frozen. Applicants, who cannot get a Centre of their choice due to ceiling, will be required to choose a Centre from the remaining ones. Applicants are, thus, advised that they may apply early so that they could get a Centre of their choice.

NB: Notwithstanding the aforesaid provision, Commission reserve the right to change the Centres at their discretion if the situation demands.

Blind candidates will, however, be required to take the examination at anyone of the seven centres viz. Chennai, Delhi, Hyderabad, Kolkata, Lucknow, Dispur and Mumbai. Candidates admitted to the examination will be informed of the time table and place or places of examination

The candidates should note that no request for change of centre will be entertained.

(B) PLAN OF EXAMINATION

The Indian Forest Service Examination will consist of two successive stages (vide Appendix I Section-I below).

(i) Civil Services (Preliminary) Examination (Objective type) for the selection of candidates for the Indian Forest Service (Main) Examination; and

(ii) Indian Forest Service (Main) Examination (Written and Interview) for the selection of candidates for the Indian Forest Service.

Applications are now invited for the Preliminary Examination only. Candidates who will be declared by the Commission to have qualified for admission to the Indian Forest Service (Main) Examination will have to apply again, in the Online Detailed Application Form which would be made available on the Website of the Commission after declaration of Results of Preliminary Examination. The Main Examination is likely to be held in September/October, 2013.

2. The number of vacancies to be filled on the results of the examination is expected

IMPORTANT

- CANDIDATES SHOULD NOTE THAT THE GOVERNMENT HAS CHANGED THE PATTERN OF INDIAN FOREST SERVICE EXAMINATION FROM THE CURRENT YEAR BY INTRODUCING A COMPONENT OF SCREENING MECHANISM THROUGH CIVIL SERVICES (PRELIMINARY) EXAMINATION. ALL THE CANDIDATES APPLYING FOR INDIAN FOREST SERVICE EXAMINATION ARE THERFORE REQUIRED TO APPEAR IN THE CIVIL SERVICES (PRELIMINARY) EXAMINATON AND QUALIFY THE SAME FOR GOING TO THE SECOND STAGE OF INDIAN FOREST SERVICE MAIN EXAMINATION (WRITTEN AND
- CANDIDATES DESIROUS OF APPLYNG FOR INDIAN FOREST SERVICE EXAMINATION AS WELL AS FOR THE CIVIL SERVICES EXAMINATION CAN APPLY THROUGH A COMMON ONLINE APPLICATION FORM SUBJECT TO MEETING THE REQUISITE ELIGIBILITY CRITERIA BY THEM.
- 1. CANDIDATES TO ENSURE THEIR ELIGIBILITIY FOR THE EXAMINATION: Candidates applying for the examination should ensure that they fulfill all eligibility conditions for admission to the Examination. Their admission at all the stages of the examination will be purely provisional subject to satisfying the prescribed eligibility conditions. Mere issue of Admission Certificate to the candidate will not imply that his/her candidature has been finally cleared by the Commission. Verification of eligibility conditions with reference to original documents is taken up only after the candidate has qualified for Interview/Personality Test.

2. HOW TO APPLY:

Candidates are required to apply online only by using the website www.upsconline.nic.in Brief instructions for filling up the online Application Form have been given in Appendix-II. Detailed instructions are available on the above mentioned website.

3. LAST DATE OF SUBMISSION OF APPLICATIONS:

The Online Applications can be filled upto **04th April 2013 till 11.59 PM**, after which the link will be disabled.

4. The eligible candidates shall be issued an e-Admission Certificate three weeks before the commencement of the examination. The e-Admission Certificate will be made available in the UPSC website [www.upsc.gov.in] for downloading by candidates. No Admission Certificate will be sent by post. All the applicants are required to provide valid active E-Mail I.D. while filling up Online Application Form as the Commission may use electronic mode for contacting them at different stages of examination process.

5. PENALTY FOR WRONG ANSWERS :

Candidates should note that there will be penalty (Negative Marking) for wrong answers marked by a candidate in the Objective Type Question Papers.

6. For both writing and marking answers in the OMR sheet [Answer Sheet], candidates must use **black ball pen** only. Pens with any other colours are prohibited. Do not use Pencil or Ink pen. Candidates are further advised to read carefully the "Special Instructions" contained in Appendix-III of the Notice.

7. FACILITATION COUNTER FOR GUIDANCE OF CANDIDATES:

In case of any guidance/information/clarification regarding their applications, candidature etc. candidates can contact UPSC's Facilitation Counter near 'C' Gate of its campus in person or over **Telephone No. 011-23385271/011-23381125/011-23098543** on working days between 10.00 hrs and 17.00 hrs.

8. Mobile Phones Banned:

(a) Mobile phones, pagers or any other communication devices are not allowed inside the premises where the examination is being conducted. Any infringement of these instructions shall entail disciplinary action including ban from future examinations.(b) Candidates are advised in their own interest not to bring any of the banned item

(b) Candidates are advised in their own interest not to bring any of the banned item including mobile phones/pagers or any valuable/costly items to the venue of the examination, as arrangement for safe-keeping can not be assured. Commission will not be responsible for any loss in this regard.

CANDIDATES ARE REQUIRED TO APPLY ONLINE ONLY. NO OTHER MODE IS ALLOWED FOR SUBMISSION OF APPLICATION.

to be approximately **85**. The number of vacancies is liable to alteration. Reservation will be made for candidates belonging to Scheduled Castes, Scheduled Tribes, Other Backward Classes and Physically Handicapped Categories in respect of vacancies as may be fixed by the Government.

Note: As per the information received from the Ministry of Environment Forest, 1 vacancy each has been kept reserved by them for Partially Blind and Hearing Impaired categories. However the vacancies indicated are liable to further alteration.

A candidate will be eligible to get the benefit of community reservation only in case the particular caste to which the candidates belongs is included in the list of reserved communities issued by the Central Government. If a candidate indicates in his/her Application Form for Indian Forest Service Examination that he/she belongs to General Category but subsequently writes to the Commission to change his/her category, to a reserved one, such request shall not be entertained

by the Commission. Similar principle will be followed for physically disabled category also. While the above principle will be followed in general, there may be a few cases where there was a little gap (say 2-3 months) between the issuance of a Government Notification enlisting a particular community in the list of any of the reserved communities and the date of submission of the application by the candidate. In such cases the request change of community from general to reserved may be considered by the Commission on merit. In case of a candidate unfortunately becoming physically disabled during the course of the examination, the candidate should produce valid documents to enable the Commission to take a decision in the matter on merit.

ter on merit.

The closing date fixed for the receipt of the application will be treated as the date for determining the OBC status (including that of creamy layer) of the candidates.

- 3. ELIGIBILITY CONDITIONS:
- (i) NATIONALITY:

- A candidate must be either :-
- (a) A citizen of India, or
- (b) a subject of Nepal, or
- (c) a subject of Bhutan, or
- (d) a Tibetan refugee who came over to India before 1st January, 1962 with the intention of permanently settling in India.

(e) a person of Indian origin who has migrated from Pakistan, Burma, Srilanka, East African countries of Kenya, Uganda, the United Republic of Tanzania, Zambia, Malawi, Zaire, Ethiopia and Vietnam with the intention of permanently settling in India. Provided that a candidate belonging to

categories (b), (c), (d) and (e) shall be a person in whose favour a certificate of eligibility has been issued by the Government of India.

A candidate in whose case a certificate of eligibility is necessary, may be admitted to the examination but the offer of

A candidate in whose case a certificate of eligibility is necessary, may be admitted to the examination but the offer of appointment may be given only after the necessary eligibility certificate has been issued to him/her by the Government of India.

(ii) AGE LIMITS:

- (a) A candidate must have attained the age of 21 years and must not have attained the age of 30 years on 1st August, 2013, i.e. he must have been born not earlier than 2nd August, 1983 and not later than 1st August, 1992.
- (b) The upper age limit prescribed above will be relaxable:-
- upto a maximum of five years if a candidate belongs to a Scheduled Caste or a Scheduled Tribe.
- (ii) upto a maximum of three years in the case of candidates belonging to Other Backward Classes who are eligible to avail of reservation applicable to such candidates.
- (iii) upto a maximum of five years if a candidate had ordinarily been domiciled in the State of Jammu & Kashmir during the period from the 1st January, 1980 to the 31st day of December, 1989.
- (iv) upto a maximum of three years in the case of Defence Services personnel disabled in operations during hostilities with any foreign country or in a disturbed area and released as a consequence thereof:
- upto a maximum of five years in the case of ex-servicemen including Commissioned Officers ECOs/SSCOs who have rendered at least five years Military Service as on 1st August, 2013 and have been released (i) on completion of assignment (including those whose assignment is due to be completed within one year from 1st August, 2013) otherwise than by way of dismissal or discharge on account of misconduct or inefficiency, or (ii) on account of physical disability attributable to Military Service, or (iii) on invalid-
- (vi) Upto a maximum of five years in the case of ECOs/SSCOs who have completed an initial period of assignment of five years of Military Service as on 1st August, 2013 and whose assignment has been extended beyond five years and in whose case the Ministry of Defence issues a certificate that they can apply for civil employment and that they will be released on three month's notice on selection from the date of receipt of offer of appointment.
- (vii) upto a maximum of 10 years in the case of blind, deaf-mute and Orthopaedically handicapped persons. **Continued**

Government strives to have a workforce which reflects gender balance and women candidates are encouraged to apply

Employment News 16-22 March 2013 www.employmentnews.gov.in NOTE I-Candidates belonging to the Zoology or a Bachelor's degree in ination will count as an attempt. application so as to each Agriculture, Forestry or in Engineering of (V) PHYSICAL STANDARDS: Scheduled Castes, the Scheduled Tribes Commission's Office by the prescribed Candidates must be physically fit accordand the Other Backward Classes who are any of Universities incorporated by an Act date without waiting for the results or an also covered under any other clauses of of the Central or State Legislature in India ing to physical standards for admission to offer of appointment. Indian Forest Service Examination, 2013 para 3(ii) (b) above, viz. those coming or other educational institutions estab-5. HOW TO APPLY: (a) Candidates are required to apply under the category of Ex-servicemen, lished by an Act of Parliament or declared as per regulations given in Appendix-III of persons domiciled in the State of J & K, to be deemed as a University Under the rules for the Indian Forest Service blind, deaf-mute and orthopadically hand-Section 3 of the University Grants Examination, 2013 published in Gazette line.nic.in Commission Act, 1956, or possess an icapped etc. will be eligible for grant of of India dated 05th March, 2013. cumulative age-relaxation under both the equivalent qualification. categories. Note I: Candidates who have appeared Candidates applying (excepting Female/ at an examination the passing of which SC/ST/PH candidates who are exempted NOTE II-The term ex-servicemen will apply to the persons who are defined as would render them educationally qualified from payment of fee) for Civil Services ex-servicemen in the Ex-servicemen (Refor the Commission's examination but (Preliminary) Examination are required to employment in Civil Services and Posts) have not been informed of the results as pay a fee of Rs.100/- (Rupees One Rules, 1979, as amended from time to Hundred only) either by depositing the also the candidates who intend to appear at such a qualifying examination will also money in any Branch of SBI by cash, or NOTE III- The age concession under by using net banking facility of SBI, State eligible for admission to the Bank of Bikaner & Jaipur/State Bank of Para 3(ii)(b)(v) and (vi) will not be admis-Preliminary Examination. All candidates Ex-Servicemen who are declared qualified by the Hyderabad/State Bank of Mysore/State Commission for taking the Indian Forest Commissioned Officers including ECOs/ Bank of Patiala/State Bank of Travancore SSCOs, who are released on own Service (Main) Examination will be or by using Visa/Master Credit/Debit card. required to produce proof of passing the For the applicant in whose case payments NOTE IV- Notwithstanding the provision requisite examination with their applicadetails have not been received from the of age-relaxation under para 3(ii) (b) (vii) tion for the Main Examination failing bank, they will be treated as fictitious payabove, a physically disabled candidate which such candidates will not be admitment cases and a list of all such appliwill be considered to be eligible for ted to the Indian Forest Service Main cants shall be made available on the through the website (www.upsconappointment only if he/she (after such Examination. The applications for the Commission's website within two weeks line.nic.in) of the Commission. physical examination as the Government Main Examination will be called sometime after the last day of submission of Online Detailed instructions for filling up Online or appointing authority, as the case may in the month of August, 2013 through on-Application. These applicants shall also Applications are available on the above be, may prescribe) is found to satisfy the be intimated through e-mail to submit mentioned website. requirements of physical and medical NOTE II: In addition, the candidates who copy of proof of their payment to the The applicants are advised to submit only Commission at the address mentioned in single application, however, if due to any standards for the possess qualification equivalent to those concerned unavoidable situation, if he/she submits Services/posts to be allocated to the specified in Rule 7 will be required to prothe e-mail. The applicant shall be required to submit the proof within 10 days from physically disabled candidates by the duce a certificate from University incorpoanother/multiple applications, then he/ rated by an Act of the Central or State she must ensure that application with the Government. the date of such communication either by SAVE AS PROVIDED ABOVE THE AGE higher RID is complete in all respects like Legislature in India or other educational or by speed post to the institutions established by an Act of the applicants details, examination centre, LIMITS PRESCRIBED CAN IN NO Commission. In case, no response is CASE BE RELAXED. Parliament or declared to be deemed as a received from the applicant, their applicaphotograph, signature, fee etc. The appli-The date of birth accepted by the University under Section 3 of the tion shall be summarily rejected and no Commission is that entered in the University Grants Commission Act, 1956 further correspondence shall be enter-Matriculation or Secondary School clarifying that the degree is at par with the tained in this regard. Leaving Certificate or in a certificate rec-Bachelor's degree specified in Rule 7 All female candidates and candidates ognized by an Indian University as equivbelonging along with their application for the Main to Scheduled Scheduled Tribes/Physically Handicapped alent to Matriculation or in an extract from Examination failing which such candidate a Register of Matriculates maintained by will not be admitted to the Main categories are not required to pay any fee. No fee exemption is, however, available to a University, which extract must be certi-Examination. fied by the proper authority of the NOTE III: In exceptional cases the Union OBC candidates and they are required to University or in the Higher Secondary or Public Service Commission may treat a pay the full prescribed fee. There will be an equivalent examination certificate. candidate who has not any of the foregoseparate examination fee for Indian Forest Service (Main) Examination, for those who These certificates are required to be ing qualifications as a qualified candidate submitted only at the time of applying provided that he/she has passed examiwill qualify for the same through the Civil for the Indian Forest Service (Main) nation conducted by the other Institutions, Services (Preliminary) Examination, for which appropriate notice will be issued at Examination. the standard of which in the opinion of the No other document relating to age like Commission justifies his/her admission to the time of filling up of on-line application horoscopes, affidavits, birth extracts from the examination. for the second stage. Physically Disabled Persons are exempt-Municipal Corporation, service records (iv) NUMBER OF ATTEMPTS: and the like will be accepted. Every candidate appearing at the ed from the payment of fee provided The expression Matriculation/Secondary Examination, who is otherwise eligible, they are otherwise eligible for appoint-Examination Certificate in this part of the ment to the Services/Posts to be filled shall be permitted four attempts at the Examination. instruction includes the alternative certifiexamination. on the results of this examination on the cates mentioned above. The restriction is effective from the exambasis of the standards of medical fit-NOTE 1: Candidates should note that ination held in 1984. ness for these Services/Posts (includonly the Date of Birth as recorded in the Provided that this restriction on the numany concessions specifically Matriculation/ Secondary Examination ber of attempts will not apply in the case extended to the physically disabled). A Certificate or an equivalent certificate of Scheduled Caste and Scheduled Tribe physically disabled candidate claiming on the date of submission of applicacandidates who are otherwise eligible. age relaxation/fee concession will be dature will be liable to be cancelled. tions will be accepted by the Provided further that the number of required by the Commission to submit **NOTE I:** While filling in his/her Application attempts permissible to candidates Form, the candidate should carefully Commission and no subsequent along with his/her Detailed Application request for its change will be considbelonging to Other Backward Classes, Form, a certified copy of the certificate decide about his/her choice for the centre ered or granted. who are otherwise eligible, shall be from a Government Hospital/Medical and optional subjects for the Indian Forest NOTE 2 : Candidates should also note Board in support of his/her claim for Service (Main) Examination. More than being physically disabled. one application from a candidate giving

that once a Date of Birth has been Provided further that a physically handiclaimed by them and entered in the capped will get as many attempts as are available to other non-physically handirecords of the Commission for the purpose of admission capped candidates of his or her commuto Examination, no change will be nity, subject to the condition that a physiallowed subsequently (or at any other cally handicapped candidate belonging to Examination of the Commission) on the General Category shall be eligible for any grounds whatsoever. seven attempts. The relaxation will be Note 3 : The candidate should exercise available to the physically handicapped candidates who are eligible to avail of due care while entering their date of birth in the Online Application Form. If reservation applicable to such candion verification at any subsequent stage, any variation is found in their NOTE: date of birth from the one entered in (i) An attempt at a Preliminary

attempt at the Examination.

appearance of the candidate at the exam-

the Examination.

their matriculation or equivalent

Examination certificate, disciplinary

action will be taken against them by

(iii) MINIMUM EDUCATIONAL QUALIFI-

The candidate must hold a Bachelor's

degree with at least one of the subjects

namely Animal Husbandry & Veterinary

Science, Botany, Chemistry, Geology,

Mathematics, Physics, Statistics and

the Commission under the Rules.

CATIONS:

standards for the concerned Services/ Posts to be allocated to Physically Disabled candidates by the Government. NOTE I: APPLICATIONS WITHOUT THE PRESCRIBED FEE (UNLESS Examination shall be deemed to be an REMISSION OF FEE IS CLAIMED) (ii) If a candidate actually appears in any SHALL BE SUMMARILY REJECTED. one paper in the Preliminary Examination, NOTE II: Fee once paid shall not be as a candidate for the Indian Forest refunded under any circumstances nor Service (Main) Examination, he/she shall can the fee be held in reserve for any be deemed to have made an attempt at other examination or selection. NOTE III: If any candidate who took the (iii) Notwithstanding the disqualification/ Indian Forest Service Examination held in cancellation of candidature the fact of 2012 wishes to apply for admission to this

NOTE: Notwithstanding the aforesaid

provision for age relaxation/fee exemp-

tion, a physically disabled candidate will

be considered to be eligible for appoint-

ment only if he/she (after such physical

examination as the Government or the

appointing authority, as the case may be,

may prescribe) is found to satisfy the

requirements of physical and medical

examination, he/she must submit his/her

Online using the link www.upscon for Civil Services (Preliminary) Examination which will act as a screening mechanism for selection of candidates for the Indian Forest Service (Main) Examination. Candidates who wish to apply for Civil Services Examination also, [subject to their satisfying the prescribed eligibility conditions] have to apply once by appropriately indicating in the on-line application form that they intend to appear for both the Indian Forest Service Examination and the Civil Services Examination. Candidates. who will qualify for the Indian Forest Service (Main) Examination, will have to fill in a Detailed Application Form subsequently as per further instructions to be provided to the candidates

cants who are submitting multiple applications should note that only the applications with higher RID (Registration ID) shall be entertained by the Commission and fee paid against one RID shall not be adjusted against any other RID. (b) All candidates, whether already in Government Service, or in Government owned industrial undertakings or other similar organizations or in private employment should submit their applications direct to the Commission. Persons already in Government service, whether in a permanent or temporary capacity or as work charged employees other than casual or daily rated employees or those serving under Public Enterprises are however, required to inform their Head of Office/Department that they have applied Candidates should note that in case a communication is received from their employer by the Commission withholding permission to the candidates applying for/ appearing at the examination, their applications will be liable to be rejected/candi-

Different centres and/or optional subjects

will not be accepted in any case. Even if a

candidate sends more than one complet-

ed application, the Commission will

accept only one application at their dis-

cretion and the Commission's decision in

the matter shall be final. If any candidate

appears at a centre/optional subjects

other than the those indicated by the

Commission in his/her Admission

Certificate, the papers of such a candi-

date will not be valued and his/her candi-

NOTE 2 : Candidates are not required

to submit along with their applications

any certificate in support of their

claims regarding Age, Educational

Qualifications, Scheduled Castes/

Scheduled Tribes/ Other Backward

Classes and Physically disabled etc.

which will be verified at the time of the

Main examination only. The candidates

applying for the examination should

ensure that they fulfill all the eligibility

dature will be liable to cancellation.

www.employmentnews.gov.in conditions for admission to the rendering himself/ admission to the Examination has been to criminal prosecution, be liable. Examination. Their admission at all the stages of examination for which they (a) to be disqualified by the Commission are admitted by the Commission viz. from the examination for which he/she is a candidate and/or Preliminary Examination. (Written) Examination and Interview (b) to be debarred either permanently or Test will be purely provisional, subject for a specified period examination have been accepted by the to their satisfying the prescribed eligi-(i) by the Commission from any Commission as true and correct. bility conditions. If on verification at Candidates may note that the

examination or selection held by (ii) by the Central Government from any employment under them;

service under Government to if he/she is already in disciplinary action under the appropriate rules. Provided that no penalty under this rules shall be imposed except after giving the candidate an opportu

(i) Obtaining support for his candidature by the following means, namely :-(a) offering illegal gratification to, or (b) applying pressure on, or (c) blackmailing, or threatening to 04th April, 2013 till 11.59 PM after which blackmail any person connected the link will be disabled. 7. CORRESPONDENCE WITH THE with the conduct of the examina

(written)

procuring impersonation by any persubmitting fabricated documents or documents which have been tam-

pered with, or making statements which are incorrect or false or suppressing material information, or resorting to the following means in connection with his/her candidature

any time before or after the Preliminary

found that they do not fulfill any of the

eligibility conditions; their candidature

for the examination will be cancelled by

If any of their claims is found to be

incorrect, they may render themselves

liable to disciplinary action by the

Commission in terms of Rule 12 of the

Rules for the Indian Forest Service

Examination, 2013 reproduced below:

A candidate who is or has been

declared by the Commission to be

Main Examination and Interview Test, it is

Examination,

the Commission.

guilty of:

(iii)

(iv)

(v)

tion, or

son, or

ination, or

impersonating, or

for the examination, namely (a) obtaining copy of question paper through improper means, (b) finding out the particulars of the persons connected with secret work relating to the examination. (c) influencing the examiners, or (vii) using unfair means during the exam-

(viii) writing obscene matter or drawing obscene sketches in the scripts, or (ix) misbehaving in the examination hall including tearing of the scripts, provoking fellow examinees to boycott examination, creating a disorderly scene and the like, or (x) harassing or doing bodily harm to the staff employed by the Commission for the conduct of their examinations,

(xi) being in possession of or using mobile phone, pager or any electronic equipment or device or any other equipment capable of being used as a communication device during the examination; or (xii) violating any of the instructions issued to candidates along with their admission certificates permitting them to take the examination, or (xiii) attempting to commit or as the case may be abetting the commission of

all or any of the acts specified in the

foregoing clauses; may in addition to

SECTION I

PLAN OF EXAMINATION

The competitive examination comprises

two successive stages:

(i) Civil

(ii) taking the representation, if any, submitted by the candidate with in the period allowed to him/her into consideration. 6. LAST DATE FOR SUBMISSION OF **APPLICATIONS:** The Online Applications can be filled upto

nity of making such representa

wish to make in that behalf; and

tion, in writing as he/she may

COMMISSION: The Commission will not enter into any correspondence with the candidates about their candidature except in the following cases:

(i) The eligible candidates shall be issued an e-Admission Certificate about three weeks before the commencement of the examination. The e-Admission Certificate will be made available in the UPSC website [www.upsc.gov.in] for downloading by candidates. No Admission Certificate will be sent by post. If a candidate does not

receive his/her e- Admission Certificate or any other communication regarding his/her candidature for the examination three weeks before the commencement of the examination, he/she should at once contact the Commission. Information in this regard can also be obtained from the Facilitation Counter located in the Commission's office either in person or over phone Nos. 011- 23381125/011-23385271/011-23098543. In case no communication is received in the Commission's office from the candidate regarding nonreceipt of his/ her e-admission certifi-

cate at least three weeks before the

examination, he/she himself/herself

will be solely responsible for non-

his/her

No candidate will ordinarily be allowed to

take the examination unless he/she holds

an e-certificate of admission for the exam-

ination. On receipt of e-Admission

Certificate, candidates should check it

carefully and bring discrepancies/errors, if

any, to the notice of UPSC immediately.

The candidates should note that their

admission to the examination will be pure-

e-Admission

receipt

Certificate.

of

ly provisional based on the information given by them in the Application Form. This will be subject to verification of all the eligibility conditions by the UPSC. The mere fact that a certificate of **APPENDIX I** sist of two papers of Objective type (multiple choice questions) and carry

a maximum of 400 marks in the sub-

iects set out in sub-section (A) of

Examination by the candidates who

are declared qualified for admission

to the Main Examination will not be

counted for determining their final

order of merit. The number of candi-

dates to be admitted to the Main

issued to a candidate, will not imply that his/her candidature has been finally cleared by the Commission or that entries made by the candidate in his/her application for the Preliminary

Commission takes up the verification

of eligibility conditions of a candidate,

with reference to original documents,

only after the candidate has qualified

for Indian Forest Service (Main)

Examination. Unless candidature is for-

mally confirmed by the Commission, it

The decision of the Commission as to the eligibility or otherwise of a candidate for

admission to the Examination shall be

final. Candidates should note that the

name in the e-Admission Certificate in

some cases may be abbreviated due to

(ii) In the event of a candidate download-

ing more than one e-Admission Certificate

from the website of the Commission,

he/she should use only one of these e-

admission certificates for appearing in the

examination and report about the other(s)

(iii) Candidates are informed that as the

Preliminary Examination is only a screen-

ing test, no marks sheets will be supplied to successful or unsuccessful candidates

and no correspondence will be enter-

tained by the Commission, in this regard.

(iv) If a candidate receives an e-

Admission Certificate in respect of some

other candidate, the same should immedi-

ately be returned to the Commission with

a request to issue the correct e-Admission

Certificate. Candidates may note that they

will not be allowed to take the examination

on the strength of an e- Admission

Certificate issued in respect of another

(v) Candidates must ensure that their E-

Mail IDs given in their online Applications

are valid and active as the Commission

may use electronic mode of communica-

candidate

continues to be provisional.

technical reasons.

to the Commission Office.

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ADVISED TO KEEP A PRINTOUT OR SOFT COPY OF THEIR ONLINE APPLI-

8. The eligibility for availing reservation

against the vacancies reserved for the

physically disabled persons shall be the

same as prescribed in "The Persons with

Disability (Equal Opportunities, Protection

of Rights and Full Participation) Act, 1995." Provided further that the physically dis-

abled candidates shall also be required to

meet special eligibility criteria in terms of

physical requirements/functional classifi-

cation (abilities/ disabilities) consistent

with requirements of the identified

Service/Post as may be prescribed by its Cadre Controlling Authority. A list of

Services identified suitable for Physically

Disabled Category along with the physical

requirements and functional classifica-

tions. The physical requirement and func-

tional classification can for example be

Physical Requirements

1. Work performed by Manipula-

2. Work Performed by Pulling &

4. Work Performed by Kneeling

5. Work Performed by Bending

6. Work Performed by Sitting (on

7. Work Performed by Standing

8. Work Performed by Walking

9. Work Performed by Seeing

10. Work Performed by Hearing/

11. Work Performed by Reading

FUNCTIONAL CLASSIFICATION

1. Both legs affected but not arms

3. Both legs and both arms

a. impaired reach

a. impaired reach

6. One arm and one leg affected

b. weakness of grip

b. weakness of grip

c. ataxic

4. One leg affected (R or L)

c. ataxic

c. ataxic

7. Muscular weakness.

Note: The above list is subject to revision.

9. NO REQUEST FOR WITH DRAWAL

OF CANDIDATURE RECEIVED FROM A

CANDIDATE AFTER HEISHE HAS SUB-

MITTED HIS/HER APPLICATION WILL

BE ENTERTAINED UNDER ANY CIR-

10. Details about the scheme of examina-

tion, standard and syllabi of the subjects

etc. may be seen in Appendix-I of this

UNION PUBLIC SERVICE COMMISSION

dates eligible to appear in the Civil

Service (Main) Examination and Indian

{Malay Mukhopadhyay}

DEPUTY SECRETARY

5. One arm affected (R or L)

a. impaired Reach

b. weakness of Grip.

3. Work Performed by Lifting

one or more of the following:

Pushing

PP

KC

BN

S

ST

RW

Code

ΒI

BLA

OL

OA

OAL

MW

В

LV

tion by Fingers

and Crouching

bench or chair)

Speaking

and Writing

affected

8. Blind

CUMSTANCES.

Notice

9. Low vision

10. Hearing

12. Communication

2. Both arms affected

FOR FUTURE REFERENCES.

tion while contacting them at different stages of the examination process. **IMPORTANT: ALL COMMUNICATIONS** THE COMMISSION SHOULD INVARIABLY CONTAIN THE FOLLOW-ING PARTICULARS. NAME AND YEAR OF THE EXAMI-NATION REGISTRATION I.D. (RID) ROLL NUMBER (IF RECEIVED) NAME OF CANDIDATE (IN FULL AND IN BLOCK LETTERS) COMPLETE POSTAL ADDRESS AS GIVEN IN THE APPLICATION.

N.B.I: COMMUNICATION NOT CON-TAINING THE ABOVE PARTICULARS MAY NOT BE ATTENDED TO. **N.B.II:** IF A LETTER/COMMUNICATION IS RECEIVED FROM A CANDIDATE AFTER AN EXAMINATION HAS BEEN HELD AND IT DOES NOT GIVE

HIS/HER FULL NAME AND ROLL NUM-

VALID AND ACTIVE E-MAIL I.D.

BER, IT WILL BE IGNORED AND NO ACTION WILL BE TAKEN THEREON. **N.B.III: CANDIDATES ARE STRONGLY**

Section II. This examination is meant

the year through this examination. Only those candidates who are declared by the Commission to have qualified in the

sion, to the Main Examination.

Forest Service (Main) Examination, based on the number of vacancies to be Preliminary through the Civil Services Examination in the year will be eligible for admission to the Main Examination and Indian Forest Service Examination of that year provided Examination. they are otherwise eligible for admis-Note II: There will be negative marking for incorrect answers (as detailed below) Note I: Since there may be common canfor all questions except some of the guesdidates for Civil Services Examination tions where the negative marking will be and the Indian Forest Service

to serve as a screening test only; the marks obtained in the Preliminary

Examination (Objective Type) for the Examination; and

Services

screening & selection of candidates

for Indian Forest Service (Main)

(ii) Indian Forest Service (Main) Examination (Written and Interview) for the selection of candidates against the vacancies identified and reported for the Indian Forest Service

Examination. The preliminary Examination will con-

(Preliminary)

Examination will be about twelve to thirteen times the total approximate number of vacancies to be filled in

Examination, after the common Screening Test done through Civil Services (Prelimanary) Examination, separate lists will be prepared for the candi-

tions.

inbuilt in the form of different marks being awarded to the most appropriate and not so appropriate answer for such ques-(i) There are four alternatives for the

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answers to every question. For each question for which a wrong answer has been given by the candidate, one-third of

(ii) If a candidate gives more than one

answer, it will be treated as a wrong

answer even if one of the given answers

happen to be correct and there will be

same penalty as above for that question.

(iii) If a question is left blank i.e. no

answer is given by the candidate, there

Note III: Candidates must write the

papers in their own hand. In no circum-

stances will they be allowed the help of a

scribe to write the answers for them.

However, blind candidates will be allowed

to write the examination with the help of a

3. The Main Examination will consist of

written examination and an interview test.

The written examination will consist of 6

papers of conventional essay type in the

subjects set out in sub-section (B) of

Section II. Also see Note (ii) under para I

4. Candidates who obtain such minimum

qualifying marks in the written part of the

Main Examination as may be fixed by the

Commission at their discretion, shall be

summoned by them for an interview for a

Personality Test vide sub-section 'C' of

Section II. The number of candidates to

be summoned for interview will be about

twice the number of vacancies to be filled.

The interview will carry 300 marks (with

Marks thus obtained by the candidates in

the Main Examination (written part as well

as interview) would determine their final

SECTION II

from English language only without

providing Hindi translation thereof in

General English

to be selected

subjects set out

in para 2 below.

have two papers.

List of optional subjects:

Agricultural Engineering

Interview for Personality Test

(See (C) of Section II of this

Appendix) of such candidates as

Animal Husbandry & Veterinary

called by

the optional

Paper III Any two subjects

Paper IV from the list of

Paper VI Each subject will

be

Maximum Marks:

Commission-

Agriculture

Science

may

Paper V

2.

(i)

(iii)

(ix)

Paper II General Knowledge 300 Marks

Preliminary and Main Examination.

for the

no minimum qualifying marks).

Scheme and subjects

will be no penalty for that question."

be deducted as penalty.

scribe.

of Section II(B).

ranking.

Note:

- Mathematics Mechanical Engineering (xi)
- (xii) **Physics**
- the marks assigned to that question will (xiii) Statistics (xiv) Zoology
 - allowed to offer the following combination of subjects Agriculture and Agricultural Engg. (a) Agriculture and Animal Husbandry & Veterinary Science.

Provided that the candidates will not be

- Agriculture and Forestry.
- (d) Chemistry and Chemical Engg.
- Mathematics and Statistics. (e)
- Of the Engineering subjects viz.

(essay) type.

hours.

candidate.

than one subject; NOTE - The standard and syllabi of the subjects mentioned above are

Agricultural Engineering, Chemical

Engineering, Civil Engineering and

Mechanical Engineering- not more

- given in Section III. to this appendix General: All the question papers for the examination will be of conventional
- ALL QUESTION PAPERS MUST BE ANSWERED IN ENGLISH. QUESTION PAPERS WILL BE **SET IN ENGLISH ONLY** The duration of each of the papers

referred to above will be three

Candidates must write the papers in their own hand. In no circumstances will they be allowed the help of a scribe to write the answers for them. However, blind candidates will be allowed to write the examination with the help of a scribe. An extra time of 30 minutes for each

Note (1): The eligibility conditions of a

Note (2): For purpose of these rules the

candidate shall be deemed to be a

paper will also be allowed to a blind

scribe, his/her conduct inside the

- examination hall and the manner in A. PRELIMINARY EXAMINATION: The Examination shall comprise of two which and extent to which he/she compulsory Papers of 200 marks each. can help the blind candidate in writing the Indian Forest Service Both the question papers will be of Examination shall be governed by the objective type (multiple choice the instructions issued by the UPSC in this regard. Violation of all or any The question papers will be set both of the said instructions shall entail in Hindi and English. However, questhe cancellation of the candidature tions relating to English Language of the blind candidate in addition to Comprehension skills of Class X any other action that the UPSC may level will be tested through passages take against the scribe.
- the question paper. blind candidate if the percentage of (iii) Details of the syllabi are indicated in visual impairment is forty per cent Part A of Section III. or more. However, the Each paper will be of two hours duraextent of visual impairment should tion. Blind candidates will; however, have to be corroborated by a certificate in the prescribed proforma be allowed an extra time of twenty minutes for each paper. from a Medical Board constituted by Central/State Government **B. MAIN EXAMINATION:** along with their Detailed Application The written examination consisting of Form. the following papers:-

300 Marks

200 marks

for

paper

300 Marks

each

Myopia. The Commission have discretion to fix qualifying marks in any or all the papers of the examination.

Note (3): The concession admissible to

blind candidates shall not be admis-

sible to those suffering from

If a candidate's handwriting is not

easily legible, deduction will be

- made on this account from the total marks otherwise accruing him/her. Marks will not be allotted for mere superficial knowledge. Credit will be given for orderly.
- effective and exact expression combined with due economy of words in all subjects of the examination. In the question papers, wherever
- required, SI units will be used. Candidates should use only international form of Indian numerals (e.g.
- I, 2, 3, 4, 5, 6, etc.) while answering question papers.
- type) calculators at the convention-

Programmable type calculators will however not be allowed and the use of such calculators shall tantamount to resorting to unfair means by the candidates. Loaning and interchanging of calculators in the Examination Hall is not permitted. **PERSONALITY TEST**

al type examinations of UPSC.

- (C) The candidate will be interviewed by a Board of competent and unbiased observers who will have before them a record of his/her
 - career. The object of the Interview is to assess the personal suitability of the candidate for the Service. The candidate will be expected to have taken an intelligent interest not only in his/her subjects of academic study but also in events which are happening around him/her both within and outside his/her own state or country, as well as in modem currents of thoughts and in new discoveries which should rouse the curiosity of well educated youth. The technique of the interview is not that of a strict cross examination,
- and purposive conversation, intended to reveal mental qualities of the candidate. The Board will pay special attention to assessing the intellectual curiosity, critical powers of observation and assimilation, balance of judgment and alertness of mind, initiative, tact, capacity for leadership; the ability for social cohesion, mental and physical energy and powers of practical application; integrity of character; and other qualities such as topographical sense, love for out-door life and the desire to explore unknown and out of way places. **SECTION III**

but of a natural, though directed

through the Syllabus published in this Section for the Preliminary Examination and the Main Examination.

SYLLABI FOR THE EXAMINATION

NOTE: Candidates are advised to go

Current events of national and international importance History of India and Indian National

Part A-Preliminary Examination

Paper I - (200 marks) Duration: Two hours

- Movement Indian and World Geography-Physical, Social, **Economic** Geography of India and the World.
- Indian Polity and Governance-Constitution, Political System, Panchayati Raj, Public Policy, Rights Issues, etc. Economic and Social Development-Sustainable Development, Poverty,
- General issues on Environmental ecology, Bio-diversity and Climate Change - that do not require subject specialization General Science.

Sector Initiatives, etc.

munication skills:

Inclusion, Demographics, Social

Paper II-(200 marks) Duration: Two hours Comprehension

Interpersonal skills including com-

- Logical reasoning and analytical Decision making and problem solv-
- General mental ability Basic numeracy (numbers and their
- relations, orders of magnitude, etc.) (Class X level), Data interpretation (charts, graphs, tables, data sufficiency etc. - Class X level) English Language Comprehension skills (Class X level).
- Note 1: Questions relating to English Language Comprehension skills of Class X level (last item in the

translation thereof in the question paper.

Note 2: The questions will be of multiple choice, objective type.

Part B-Main Examination The standard of papers in General

English and General Knowledge will be such as may be expected of a Science or Engineering graduate of an Indian University. THE SCOPE OF THE SYLLABUS FOR OPTIONAL SUBJECT PAPERS FOR

THE EXAMINATION IS BROADLY OF THE HONOURS DEGREE LEVEL I.E. A HIGHER THAN BACHELORS DEGREE AND LOWER THAN THE MASTERS DEGREE. IN THE CASE OF ENGINEERING SUB-JECTS, THE LEVEL CORRESPONDS TO THE BACHELORS DEGREE. There will be no practical examination in

any of the subjects. **GENERAL ENGLISH**

Candidates will be required to write an essay in English. Other questions will be designed to test their understanding of English and workmanlike use of words. Passages will usually be set for summary or precis. **GENERAL KNOWLEDGE**

General Knowledge including knowledge of current events and of such matters of every day observation and experience in their scientific aspects as may be expected of an educated person who has not made a special study of any scientific subject. The paper will also include questions on Indian Polity including the political system and the Constitution of India, History of India and Geography of a nature which the candidate should be able to answer without special study. **OPTIONAL SUBJECTS**

Total number of questions in the question papers of optional subjects will be

eight. All questions will carry equal marks. Each paper will be divided into two parts, viz. Part A and Part B, each part containing four questions. Out of eight questions, five questions are to be attempted. One question in each part will be compulsory. Candidates will be required to answer three more questions out of the remaining six questions, taking at least one question from each Part. In this way, at least two questions will be attempted from each Part i.e. one compulsory question plus one more. **AGRICULTURE**

PAPER-I

Ecology and its relevance to man, natural resources, their sustainable management and conservation. Physical and social environment as factors of crop distribution and production. Climatic elements as factors of crop growth, impact of changing environment on cropping pattern as indicators of environments. Environmental pollution and associated hazards to crops, animals, and humans. Cropping pattern in different agro-climatic zones of the country. Impact of high-yielding and short-duration varieties on shifts

in cropping pattern. Concepts of multiple cropping, multistorey, relay and intercropping, and their importance in relation to food production. Package of practices for production of important cereals, pulses, oil seeds, fibres, sugar, commercial and fodder crops grown during Kharif and Rabi seasons in different regions of the country. Important features, scope and propagation of various types of forestry plantations such as extension, social forestry, agro-forestry, and natural forests. Weeds, their characteristics, dissemination and association with various crops; their multiplication; cultural, biological and

chemical control of weeds. Soil-physical,

chemical and biological properties.

Processes and factors of soil formation.

Modern classification of Indian soils,

Mineral and organic constituents of soils

and their role in maintaining soil produc-

(iv) Botany (v) Chemistry **Chemical Engineering** (vi) Civil Engineering

Forestry (viii) Geology

Candidates will be allowed the use of Scientific (Non-programmable

Syllabus of Paper-II) will be tested through passages from English language only without providing Hindi tivity. Essential plant nutrients and other in agriculture. Physiology of seed develbeneficial elements in soils and plants. opment and germination; dormancy. Principles of soil fertility and its evaluation Climatic requirements and cultivation of for judicious fertilizer use, integrated nutrimajor fruits, plants, vegetable crops and ent management. Losses of nitrogen in soil, nitrogen-use efficiency in submerged rice soils, nitrogen fixation in soils. Fixation of phosphorus and potassium in

flower plants: the package of practices and their scientific basis. Handling and marketing problems of fruit and vegetables. Principal methods of preservation of soils and the scope for their efficient use. important fruits and vegetable products, Problem soils and their reclamation methprocessing techniques and equipment. Role of fruits and vegetables in human Soil conservation planning on watershed nutrition. Raising of ornamental plants, basis. Erosion and run-off management in and design and layout of lawns and hilly, foot hills, and valley lands; processes and factors affecting them. Dry land Diseases and pests of field vegetables, agriculture and its problems. Technology orchard and plantation crops of India. Causes and classification of plant pests

of stabilising agriculture production in rain fed agriculture area. Water-use efficiency in relation to crop production, criteria for scheduling irrigations, ways and means of reducing run-off disease losses of irrigation water. Drip and sprinkler irrigation. Drainage of water-logged soils, quality of irrigation water, effect of industrial effluents on soil and water Microbial toxins. pollution. Farm management, scope, important and and pulses, and their control. characteristics, farm planning. Optimum resources use and budgeting. Economics of different types of farming systems. Marketing and pricing of agricultural inputs and outputs, price fluctuations and Relation of food production to national

their cost; role of co-operatives in agricultural economy; types and systems of farming and factors affecting them. Agricultural extension, its importance and role, methods of evaluation of extension programmes, socio-economic survey and status of big, small, and marginal farmers and landless agricultural labourers; farm mechanization and its role in agricultural production and rural employment. Training programmes for extension work-

PAPER-II

Cell Theory, cell structure, cell organelles

and their function, cell division, nucleic

acids-structure and function, gene struc-

ers; lab-to-land programmes.

ture and function. Laws of heredity, their plant breeding. significance in Chromosome structure, chromosomal aberrations, linkage and cross-over, and their significance in recombination breeding. Polyploidy, euploid and an euploids. Mutation-micro and macro-and their role in crop improvement. Variation, components of variation. Heritability, sterility and incompatibility, classification and their application in crop improvement. Cytoplasmic inheritance, sex-linked, sexinfluenced and sex-limited characters. History of plant breeding. Modes of reproduction, selfing and crossing techniques. Origin and evolution of crop plants, centre of origin, law of homologous series, crop

genetic resources-conservation and utilization. Application of principles of plant breeding to the improvement of major field crops. Pure-line selection, pedigree, mass and recurrent selections, combining ability, its significance in plant breeding. Hybrid vigour and its exploitation, backcross method of breeding, breeding for disease and pest resistance, role of interspecific and intergeneric hybridization. Role of biotechnology in plant breeding. Improved varieties, hybrids, composites of various crop plants. Seed technology, its importance. Different kinds of seeds and their seed production and processing techniques. Role of public and private sectors in seed production,

processing and marketing in India. Physiology and its significance in agriculture. Imbibition, surface tension, diffusion and osmosis. Absorption and translocation of water, transpiration and water economy. Enzymes and plant pigments; photosynthesis-modern concepts and factors affecting the process, aerobic and nonaerobic respiration; C, C and CAM mechanisms. Carbohydrate, protein and fat metabolism.

Growth and development; photoperiodism and vernalization. Auxins, hormones, and other plant regulators and their mechanism of action and importance

and diseases. Principles of control of plant pests and diseases Biological control of pests and diseases. Integrated management. Epidemiology and forecasting. Pesticides, their formulations and modes of action. Compatibility with rhizobial inoculants. Storage pests and diseases of cereals Food production and consumption trends in India. National and international food policies. Production, procurement, distribution and processing constraints.

dietary pattern, major deficiencies of calo-

AGRICULTURAL ENGINEERING

PAPER - I

SECTION A

1. Soil and Water Conservation: Scope

of soil and water conservation. Mechanics

and types of erosion, their causes.

rie and protein.

control-flood

Mechanics and types of erosion, their causes. Rainfall, runoff and sedimentation relationships and their measurement. Soil erosion control measures - biological and

engineering including stream bank pro-

tection-vegetative barriers, contour

bunds, contour trenches, contour stone

walls, contour ditches, terraces, outlets

and grassed waterways. Gully control

structures - temporary and permanent -

design of permanent soil conservation

structures such as chute, drop and drop

inlet spillways. Design of farm ponds and

percolation ponds. Principles of flood

Management - investigation, planning and

implementation - selection of priority

areas and water shed work plan, water

harvesting and moisture conservation.

routing.

Watershed

Land development - leveling, estimation of earth volumes and costing. Wind Erosion process - design for shelter belts and wind brakes and their management. Forest (Conservation) Act. 2. Aerial Photography and Remote Sensing: Basic characteristics of photographic images, interpretation keys, equipment for interpretation, imagery interpretation for land use, geology, soil and forestry. Remote sensing - merits and demerits of conventional and remote approaches. Types of satellite images, fundamentals of satellite image interpretation, techniques of visual and digital interpretations for soil, water and land use management. Use of GIS in planning and development of watersheds, forests including forest cover, water resources Section B 3. Irrigation and Drainage: Sources of water for irrigation. Planning and design

of minor irrigation projects. Techniques of measuring soil moisture - laboratory and in situ, Soil-water plant relationships. Water requirement of crops. Planning conjunctive use of surface and ground water. Measurement of irrigation water. measuring devices - orifices, weirs and flumes. Methods of irrigation - surface, sprinkler and drip, fertigation. Irrigation efficiencies and their estimation. Design and construction of canals, field channels, underground pipelines, head-gates, diversion boxes and structures for road crossing.

Drainage causes of water logging and salt problem. Methods of drainage- drainage of irrigated and unirrigated lands, design of surface, sub-surface and vertical drainage systems. Improvement and utilization of poor quality water. Reclamation of saline and alkali soils. Economics of irrigation and drainage systems. Use of waste water for irrigation - standards of waste water for sustained irrigation, feasi-

Occurrence of ground water, hydraulics of

wells, types of wells (tube wells and open

wells) and their construction. Well devel-

opment and testing. Pumps-types, selec-

tion and installation. Rehabilitation of sick

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bility and economics. 4. Agricultural Structures: Site selection, design and construction of farmstead - farm house, cattle shed, dairy bam, poultry shed, hog housing, machinery and implement shed, storage structures for food grains, feed and forage. Design and construction of fences and farm roads. Structures for plant environment - green houses, poly houses and shade houses. Common building materials used in construction - timber, brick, stone, tiles, concrete etc and their properties. Water supply, drainage and sanitation system. PAPER-II

electro-mechanical. Thermodynamics, construction and working of internal combustion engines. Fuel, ignition, lubrication, cooling and governing system of IC engines. Different types of tractors and power tillers. Power transmission, ground

Section A

1. Farm Power and Machinery:

Agricultural mechanization and its scope.

Sources of farm power - animate and

drive, power take off (p.t.o.) and control systems. Operation and maintenance of farm machinery for primary and secondary tillage. Traction theory. Sowing transplanting and interculture implements and tools. Plant protection equipment - spraying and dusting. Harvesting, threshing and combining equipment. Machinery for

earth moving and land development -

methods and cost estimation. Ergonomics

of man-machine system. Machinery for

horticulture and agro-forestry, feeds and

forages. Haulage of agricultural and forest

2. Agro-energy: Energy requirements of

agricultural operations and agro-process-

ing. Selection, installation, safety and

maintenance of electric motors for agricul-

tural applications. Solar (thermal and pho-

tovoltoic), wind and bio-gas energy and

their utilization in agriculture. Gasification

of biomass for running IC engines and for electric power generation. Energy efficient cooking stoves and alternate cooking fuels. Distribution of electricity for agricultural and agro-industrial applications. Section B 3. Agricultural Process Engineering: Post harvest technology of crops and its scope. Engineering properties of agricultural produces and by-products. Unit

operations - clearing grading, size reduc-

tion, densification, concentration, dry-

power requirement.

homogenization, cream separation, pasteurization, sterilization, spray and roller drying, butter making, ice cream, cheese and shrikhand manufacture. Waste and by-product utilization - rice husk, rice bran, sugarcane bagasse, plant residues and coir pith. 4. Instrumentation and computer applications in Agricultural Engineering:

tivibrators. Digital circuits - sequential and

combinational system. Application of

microprocessors in data acquisition and

control of agricultural engineering

processes- measurement systems for

ing/dehydration, evaporation, filtration, freezing and packaging of agricultural produces and by-products. Material handling equipment - belt and screw conveyors, bucket elevators, their capacity and vivo and in vitro. Factors affecting semen production and quality preservation, com-

tion; mechanisms of adaptation, environ-

Processing of milk and dairy products position of diluents, sperm concentration,

Electronic devices and their characteristics - rectifiers, amplifiers, oscillators, mul1.1. Trends in protein nutrition: sources of protein metabolism and synthesis, protein quantity and quality in relation to requirements. Energy protein ratios in ration. 1.2. Minerals in animal diet: Sources,

as sources of energy.

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level, flow, strain, force, torque, power,

pressure, vacuum and temperature.

Computers - introduction, input/output devices, central processing unit, memory

devices, operating systems, processors,

keyboards and printers. Algorithms, flow-

chart specification, programme transla-

tion and problem analysis in Agricultural Engineering. Multimedia and Audio-Visual

ANIMAL HUSBANDRY AND

VETERINARY SCIENCE PAPER-I

1. Animal Nutrition-Energy sources,

energy, metabolism and requirements for

maintenance and production of milk,

meat, eggs and wool. Evaluation of feeds

functions, requirements and their relation-

ship of the basic minerals nutrients including trace elements. 1.3. Vitamins, Hormones and Growth Stimulating, substances: Sources, functions, requirements and inter-relationship

with minerals. 1.4. Advances in Ruminant Nutrition-Dairy Cattle: Nutrients and their metabo-

lism with reference to milk production and its composition. Nutrient requirements for calves, heifers, dry and milking cows and buffaloes. Limitations of various feeding

systems. 1.5 Advances in Non-Ruminant Nutrition-Poultry-Nutrients and their metabolism

with reference to poultry, meat and egg production, Nutrients requirements and feed formulation and broilers at different

1.6 Advances in Non-Ruminant Nutrition-Swine-Nutrients and their metabolism with special reference to growth and qual-

ity of meat production, Nutrient requirement and feed formulation for baby-growing and finishing pigs. 1.7. Advances in Applied Animal Nutrition-A critical review and evaluation of feeding experiments, digestibility and balance

studies. Feeding standards and meas-

ures of food energy. Nutrition requirements for growth, maintenance and production. Balanced rations. 2. Animal Physiology: 2.1 Growth and Animal Production :-Prenatal and postnatal growth, matura-

tion, growth curves, measures of growth, factors affecting growth, conformation, body composition, meat quality. 2.2 Milk Production and Reproduction and Digestion: Current status of hor-

monal control of mammary development, milk secretion and milk ejection. Male and Female reproduction organ, their components and function. Digestive organs and 2.3 Environmental Physiology: Physiological relations and their regula-

mental factors and regulatory mechanism involved in animal behaviour, methods of controlling climatic stress. 2.4 Semen quality: Preservation and Artificial Insemination-Components of semen, composition of spermatozoe, chemical and physical properties of ejaculated semen, factors affecting semen in

transport of diluted semen. Deep Freezing techniques in cows, sheep and goats, swine and poultry. Detection of oestrus and time of insemination for better conception. **Production** Livestock Management:

organisation of the dairy farm.

3.1 Commercial Dairy Farming-Comparison of dairy farming in India with advanced countries. Dairying under fixed farming and as a specialised farming, economic dairy farming, Starting of a dairy

farm. Capital and land requirement,

and poultry.

mals and birds.

stroke, poisoning.

cal disorders.

ciency of dairy animal, Herd recording, organogenesis-germ layer derivativesbudgeting, cost of milk production; pricing endodermal, mesodermal and ectodermal Management. **Developing Practical and Economic ration** 1.3 Bovine Anatomy-Regional Anatomy: for dairy cattle; supply of greens through-Paranasal sinuses of OX-surface anatomy of salivary glands. Regional anatomy of infraorbital, maxillary, mandibuloalveolar, mental & coronal nerve block-

out the year, field and fodder requirements of Dairy Farm, Feeding regimes for day and young stock and bulls, heifers Regional anatomy of paravertebral and breeding animals, new trends in feed-

1.5 Physiology of blood and its circula-

tion, respiration; excretion, Endocrine

1.5.1 Blood constituents: Properties

Haemoglobin synthesis and chemistry-

plasma proteins production, classification

and properties; coagulation of blood;

Haemorrhagic disorders-anticoagulants-

blood groups-Blood volume-Plasma

expanders-Buffer systems in blood.

Biochemical tests and their significance in

1.5.2. Circulation: Physiology of heart,

cardiac cycle-heart sounds, heart beat,

electrocardiograms, Work and efficiency

of heart-effect of ions on heart function-

metabolism of cardiac muscle, nervous

and chemical regulation of heart, effect of

temperature and stress on heart, blood

pressure and hypertension, Osmotic reg-

ulation, arterial pulse, vasomotor regula-

tion of circulation, shock. Coronary & pul-

monary circulation, Blood-Brain barrier-

1.5.3 Respiration: Mechanism of respi-

ration. Transport and exchange of gases-

neural control of respiration-chemo recep-

1.5.4 Excretion: Structure and function of

kidney-formation of urine methods of

studying renal function-renal regulation of

acid-base balance; physiological con-

stituents of urine-renal failure-passive

venous congestion-Urinary recreation in

chicken-Sweat glands and their function.

Biochemical tests for urinary dysfunction.

1.5.5 Endocrine glands: Functional dis-

orders, their symptoms and diagnosis.

Synthesis of hormones, mechanism and

control of secretion-hormonal receptors-

1.6. General knowledge of pharmacol-

ogy and therapeutics of drugs : Cellular

level of pharmacodynamics and pharma-

co-kinetics-Drugs acting on fluids and

electrolyte balance-drugs acting on

Autonomic nervous system-Modern con-

classification and function.

Cerebrospinal fluid-circulation in birds.

tors-hypoxia-respiration in birds.

functions-blood cell

formation-

glands in health and disease.

nerves, pudental nerve, median, ulnar & ing young and adult stock; Feeding radial nerves-tibial, fibular and digital records 3.2. Commercial meat, egg and wool nerves-Cranial nerves-structures involved production: Development of practical in epidural anaesthesia-superficial lymph and economic rations for sheep, goats, nodes-surface anatomy of visceral organs of thoracic, abdominal and pelvic cavitiespigs, rabbits and poultry. Supply of greens, fodder, feeding regimens for comparative features of locomotor apparatus & their application in the biomeyoung and mature stock. New trends in chanics of mammalian body. enhancing production and management. Capital and land requirements and socio-1.4 Anatomy of Fowl: Musculo-skeletal economic concept. system-functional anatomy in relation to respiration and flying, digestion and egg

production.

disease diagnosis.

3.3. Feeding and management of animals under drought, flood and other natural 4. Genetics and Animal Breeding: Mitosis and Meiosis; Mendelian inheritance; deviations to Mendelian genetics; Expression of genes; Linkage and crossing over; Sex determination, sex influenced and sex limited characters; Blood groups and polymorphism; Chromosome aberrations; Gene and its structure; DNA as a genetic material; Genetic code and

Personnel

policy;

protein synthesis; Recombinant DNA technology, Mutations, types of mutations, methods for detecting mutations and mutation rate. 4.1 Population Genetics Applied to Animal Breeding: Quantitative Vs. qualitative traits; Hardy Weinberg Law;

Population Vs. individual: Gene and genotypic frequency; Forces changing gene frequency; Random drift and small populations; Theory of path coefficient; Inbreeding, methods of estimating coefficient, systems inbreeding inbreeding: Effective population size: Breeding value, estimation of breeding value, dominance and epistatic deviation; partitioning of variation; Genotype X environment correlation and genotype X envi-

ronment interaction; Role of multiple measurements; Resemblance between 4.2 Breeding Systems : Heritability. repeatability and genetic and phenotypic correlations, their methods of estimation and precision of estimates; Aids to selection and their relative merits; Individual, pedigree, family and within family selection; Progeny testing; Methods of selection; Construction of selection indices and

their uses; Comparative evaluation of

genetic gains through various selection

Correlated response; Inbreeding, upgrad-

ing, cross-breeding and synthesis of

brees; Crossing of inbred lines for com-

mercial production; Selection for general

and specific combining ability; Breeding

selection

Indirect

methods;

organs.

for threshold character. 1. Health and Hygiene Histology and Histological Techniques: Stains-Chemical classification of stains used in biological work-prin-

ciples of staining tissues-mordants-progressive & regressive stains-differential staining of cytoplasmic and connective

tissue elements-Methods of preparation and processing of tissues-celloidin microtomy-Microscopy-Bright field microscope and electron microscope. Cytology-structure of cell, organells & inclusions; cell division-cell types-Tissues and their classifi-

1.2. Embryology: Embryology of verte-

brates with special reference to aves and

domestic mammals-gametogenesis-fertil-

ization-germ layers-foetal membranes &

embedding-Freezing Comparative histology of organs:- vascular. Nervous, digestive, respiratory, musculo-skeletal and urogenital systems-Endocrine glands-Integuments-sense

cation-embryonic and adult tissues-

cepts of anaesthesia and dissociative anaesthetics-Autocoids-Antimicrobials and principles of chemotherapy in microbial injections-use of hormones in therapeutics-chemotherapy of parasitic infections-Drug and economic persons in the Edible tissues of animals-chemotherapy of Neoplastic diseases 1.7. Veterinary Hygiene with reference to water, air and habitation Assessment of pollution of water, air and soil-Importance of climate in animal health-effect of environment on animal function and performance-relationship between industrialization and animal agriculture-animal housing requirements for specific categories of domestic animals viz. pregnant cows & sows, milking cows, broiler birds-stress, strain & productivity in

relation to animal habitation. 2. Animal Diseases: 2.1 Pathogenesis, symptoms, postmortem lesions, diagnosis, and control of infection diseases of cattle, pigs and poultry, horses, sheep and goats.

2.6 Principles and methods of immunisation of animals against specific disseaseshard immunity-disease free zones-'zero' disease concept-chemoprophylaxis. operations.

2.3 Deficiency diseases of domestic ani-

2.4 Diagnosis and treatment of nonspecif-

ic condition like impaction, Bloat,

Diarrhoea, Indigestion, dehydration,

2.5 Diagnosis and treatment of neurologi-

2.7 Anesthesia-local, regional and general-preanaesthetic medication, Symptoms and surgical interference in fractures and

dislocation, Hernia, choking, abomassal displacement-Caesarian Rumenotomy-Castrations. 2.8 Disease investigation techniques-Materials for laboratory investigation-Establishment Animal Health Centres-Disease free zone. 3. Veterinary Public Health

3.1 Zoonoses: Classification, definition; role of animals and birds in prevalence

and transmission of zoonotic diseasesoccupational zoonotic diseases. **3.2. Epidemiology :** Principles, definition of epidemiological terms, application of epidemiological measures in the study of diseases disease and control. Epidemiological features of air, water and food borne infections. 3.3 Veterinary Jurisprudence: Rules and Regulations for improvement of animal quality and prevention of animal diseases-state and control Rules for preven-

4. Milk and Milk Products Technology: 4.1 Milk Technology: Organization of rural milk procurement, collection and transport of raw milk. Quality, testing and grading raw milk, Quality storage grades of whole milk, Skimmed milk and cream. Processing, packaging, storing, distributing, marketing defects and their control and nutritive properties of the following

milks: Pasteurized, standardized, toned,

double toned, sterilized, homogenized,

reconstituted, recombined and flavoured

milks. Preparation of cultured milks, cul-

tures and their management, youghurt,

Dahi, Lassi and Srikhand. Preparation of

flavoured and sterlized milks. Legal stan-

dards, Sanitation requirement for clean

and safe milk and for the milk plant

equipment.

and Industry.

tion of animal and animal product borne

diseases-S.P. C.A.-veterolegal cases-cer-

tificates-Materials and Methods of collec-

tion of samples for veterolegal investiga-

4.2 Milk Products Technology Selection of raw materials, assembling, production, processing, storing, distributing and marketing milk products such as Butter, Ghee, Khoa, Channa, Cheese; Condensed, evaporated, dried milk and baby food: Ice cream and Kulfi: by prod-

ucts; whey products, butter milk, lactose

and casein. Testing Grading, judging milk

products-BIS and Agmark specifications,

legal standards, quality control nutritive properties. Packaging, processing and operational control Costs. 5. Meat Hygiene and Technology: 5.1 Meat Hygiene :

ments and designs; Meat inspection procedures and judgement of carcass meat cuts-drading of carcass meat cuts-duties and functions of Veterinarians in Wholesome meat production. 5.1.2 Hygienic methods of handling pro-

duction of meat-spoilage of meat and control measures-Post slaughter physicochemical changes in meat and factors that influence them-quality improvement methods-Adulteration of meat and defec-Indian context. Energy plantation. tion-Regulatory provisions in Meat trade Botanical Gardens and Herbaria.

5.3. Byproducts: Slaughter house by products and their utilisation-Edible and inedible byproducts-social and economic implications of proper utilisation of slaughter house byproducts-Organ products for food and pharmaceuticals. 5.4. Poultry Products Technology: Chemical composition and nutritive value

tics of meat-meat emulsions-methods of

preservation of meat-curing, canning, irra-

diation, packaging of meat and meat prod-

ucts; meat products and formulations.

of poultry meat, pre slaughter care and management. Slaughtering techniques, inspection, preservation of poultry meat,

and products. Legal and BIS standards. Structure, composition and nutritive value of eggs. Microbial spoilage. Preservation and maintenance. Marketing of poultry meat, eggs and products. 5.5. Rabbit/Fur Animal farming: Care and management of rabbit meat production. Disposal and utilization of fur and wool and recycling of waste byproducts.

Grading of wool. 6. Extension: Basic philosophy, objectives, concept and principles of extension. Different Methods adopted to educate under rural conditions **BOTANY**

Generation of technology, its transfer and feedback. Problems of constraints in transfer of technology. Animal husbandry programmes for rural development. PAPER-I

1. Microbiology and Plant Pathology: Viruses, bacteria, and plasmids-structure and reproduction. General account of infection, Phytoimmunology. Applications of microbiology in agriculture, industry,

medicine and pollution control in air, soil

Important plant diseases caused by viruses, bacteria, mycoplasma, fungi and nematodes. Mode of infection and dissemination. Molecular basis of infection disease resistance/defence Physiology of parasitism and control

measures. Fungal toxins. **Cryptogams:** Algae, Bryophytes, Pteridophytes-structure and reproduction from evolutonary viewpoint. Distribution of Cryptogams in India and their economic potential.

Phanerogams: **Gymnosperms:** Progymonosperms. Classification and distribution Gymnosperms. Salient features Cycadales, Coniferrals and Gnetales,

their structures and reproduction. General account of Cycadofilicales, Bennettitales and Cordaitales. Angiosperms: Systematics, anatomy, embryology, palynology and phylogeny.

Comparative account of various systems of Angiosperm Classiification. Study of angiospermic families-Magnoliaceae, Ranunculaceae, Brassicaceae (Cruci-Rosaceae, ferae). Leguminosae, Euphorbiaceae, Malvaceaie, Dipterocar-

Apiaceae (Umbelliferae), Asclepiadaceae, Verbenaceae, Solana-Rubiaceae, Cucurbitaceae, ceae. (Composite), Poaceae (Palmae), (Gramineae). Arecaceae

Stomata and their types. Anomalous sec-

ondary growth, Anatomy of C3 and C4

Development of male and female gameto-

Endosperm-its development and function.

fertilization.

development.

pollination,

Patterns of embryo

Liliaceae, Musaceae, Orchidaceae.

phytes,

5.1.1 Ante mortem care and management of food animals, stunning, slaughter and dressing operations; abattoir require-

Polyembryony, apoxmix, Applications of palvnology. 4. Plant Utility and Exploitation: Origin of cultivated plants, Vavilov's centres of origin. Plants as sources for food, fodder, fibres, spices, beverages, drugs, narcotics, insecticides, timber, gums, resins and dyes. Latex, cellulose Starch and their products. Perfumery. Importance of Ethnobotany in **5. Morphogenesis:** Totipotency, polarity, Biological Diversity, Sovereign Rights and symmetry and differentiation. Cell. tissue. Intellectual Property organ and protoplast culture. Somatic Biogeochemical cyeles. Global warming. hybrids and Cybrids. **CHEMISTRY** PAPER-I PAPER-II 1. Cell Biology: Techniques of Cell 1. Atomic structure Biology. Prokaryotic and eukaryotic cells -Quantum theory, Heisenberg's uncertainstructural and ultrastructural details. ty principle, Schrödinger wave equation Structure and function of extra cellular matrix or ECM (cell wall) and membranescell adhesion, membrane transport and vesicular transport. Structure and function

2. Genetics, Molecular Biology and

Evolution: Development of genetics, and

(Pseudoalleles). Quantitative genetics

and multiple factors. Linkage and cross-

ing over-methods of gene mapping

allele

concepts

versus

46

(time independent). Interpretation of wave function, particle in one-dimensional box, quantum numbers, hydrogen atom wave functions. Shapes of s, p and d orbitals. of cell organelles (chloroplasts, mitochon-2. Chemical bonding dria, ER, ribosome's, embosoms, lysolonic bond, characteristics of ionic comsomes, peroxisomes, hydrogenosome). pounds, factors affecting stability of ionic Nucleus, nucleolus, nuclear pore comcompounds, lattice energy, Born-Haber plex. Chromatin and nucleosome. Cell cycle; covalent bond and its general charsignalling and cell receptors. Signal transacteristics, polarities of bonds in moleduction (G-1 proteins, etc.). Mitosis and cules and their dipole moments. Valence meisdosis; molecular basis of cell cycle. bond theory, concept of resonance and Numerical and structural variations in resonance energy. Molecular orbital theory chromosomes and their significance. (LCAO method); bonding in homonuclear Study of polytene, lampbrush and B-chromolecules: H₂+, H₂ to Ne₂, NO, CO, HF, mosomes-structure, behaviour and signif-CN, CN-, BeH2 and CO2. Comparison of valence bond and molecular oribtal theo-

ries, bond order, bond strength and bond

Forms of solids, law of constancy of inter-

facial angles, crystal systems and crystal

(crystallographic

as a state function, entropy changes in

various process, entropy-reversibility and

irreversibility, Free energy functions; crite-

ria for equilibrium, relation between equi-

librium constant and thermodynamic

quantities; Nernst heat theorem and third

Micro and macro states; canonical

ensemble and canonical partition func-

tion; electronic, rotational and vibrational

partition functions and thermodynamic

quantities; chemical equilibrium in ideal

Phase equilibria in pure substances;

Clausius-Clapeyron equation; phase dia-

gram for a pure substance; phase equilib-

ria in binary systems, partially miscible liq-

uids-upper and lower critical solution tem-

peratures; partial molar quantities, their

significance and determination; excess

thermodynamic functions and their deter-

6. Phase equilibria and solutions

law of thermodynamics.

gas reactions.

3. SOLID STATE

including molecular maps (idea of map-Designation of crystal faces, lattice strucping function). Sex chromosomes and tures and unit cell. Laws of rational sexlinked inheritance, sex determination indices. Bragg's law. X-ray diffraction by crystals. Close packing, radious ratio and molecular basis of sex differentiation. Mutation (biochemical and molecular rules, calculation of some limiting radius basis). Cytoplasmic inheritance and cytoratio values. Structures of NaCl, ZnS, CsCl, CaF_2 , Cdl_2 and plasmic genes (including genetics of male sterility). Prions and prion hypothesis. Imperfections in crystals, stoichiometric Structure and synthesis of nucleic acids and nonstoichiometric defects, impurity and protines. Genetic code and regulation defects, semi-conductors. Elementary of gene expression. Multigene families. study of liquid crystals. Organic evolution-evidences, mechanism 4. The gaseous state Equation of state for real gases, intermoland theories. Role of RNA in origin and ecular interactions, liquifictaion of gases 3. Plant Breeding, Biotechnology and and critical phenomena, Maxwell's distribution of speeds, intermolecular colli-Biostatistics: Methods of plant breeding sions, collisions on the wall and effusion. introduction, selection and hybridization (pedigree, backcross, mass selection, 5. Thermodynamics and statistical bulk method). Male sterility and heterosis thermodynamics Thermodynamic systems, states and breeding. Use of apomixis in plant breeding. Micropropagation and genetic engiprocesses, work, heat and internal enerneering-methods of transfer of genes and gy; first law of thermodynamics, work transgenic crops; development and use of done on the systems and heat absorbed molecular markers in plant breeding. in different types of processes; calorime-Standard deviation and coefficient of varitry, energy and enthalpy changes in variation (CV). Tests of significance (Z-test, tous processes and their temperature test and chi-square tests). Probability and dependence. distributions (normal, binomial Second law of thermodynamics; entropy

relations, Mineral nutrition and ion transmineral deficiencies. Photosynthesis-photochemical reactions, photophosphorylation and carbon pathways including C pathway (photorespiration), C, C and CAM pathways. Respiraion (anaerobic and aerobic, including fermentation-electron transport chain and oxidative phosphorylation. Chemiosmotic theory and ATP synthesis. Nitrogen fixation and nitrogen metabolism. Enzymes, coenzymes, energy transfer and energy conservation. Importance of secondary metabolites. Pigments as photoreceptors (plastidial pigments and phytochrome). Photoperiodism and flowering, vernalization, senescence. Growth substances-their chemical nature, role and applications in agri-horticulture, growth indices, growth movements. Stress physiology (heat, water, salinity, metal). Fruit and seed physiology. Dormancy, storage and germination of seed. Fruit ripening -- its molecular basis and manipulation. 5. Ecology and Plant Geography: Ecological factors. Concepts and dynam-

Poisson distributions). Correlation and

4. Physiology and Biochemistry: Water

regression.

ics of community. Plant succession. Concepts of biosphere. Ecosystems and their conservation. Pollution and its con-

trol (including phytoremediation). Forest types of India -- afforestation,

Data Books. Biodiversity. Convention of

Debye-Huckel theory of electrolytes and Debye-Huckel limiting Law for various equilibrium and transport Galvanic cells, concentration cells; electrochemical series, measurement of e.m.f. of cells and its applications fuel cells and batteries. Processes at electrodes; double layer at the interface; rate of charge transfer, current density; overpotential; electroanalytical techniques-voltametry, polarogradeforestation and social forestry. Endangered plants, endemism and Red phy, amperometry, cyclic-voltametry, ion

selective electrodes and their use.

7. Electrochemistry

8. Chemical kinetics Concentration dependence of rate of reaction; defferential and integral rate

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equations for zeroth, first, second and fractional order reactions. Rate equations involving reverse, parallel, consecutive and chain reactions; effect of temperature and pressure on rate constant. Study of fast reactions by stop-flow and relaxation methods. Collisions and transition state theories. 9. Photochemistry Absorption of light; decay of excited state by different routes; photochemical reac-

tions between hydrogen and halogens and their quantum yields. 10. Surface phenomena and catalysis Adsorption from gages and solutions on solid adsorbents, adsorption isotherms-Langmuir and B.E.T. isotherms; determination of surface area, characteristics and mechanism of reaction on heterogeneous catalysts.

11. Bio-inorganic chemistry Metal ions in biological systems and their role in ion-transport across the mem-(molecular mechanism), ionophores, photosynthesis-PSI, PSII; nitrogen fixation, oxygen-uptake proteins, cytochromes and ferredoxins. 12. Coordination chemistry (a) Electronic configurations; introduction to theories of bonding in transition metal complexes. Valence bond theory, crystal field theory and its modifications; applications of theories in the explanation of magnetism and electronic spactra of metal complexes.

(b) Isomerism in coordination compounds. IUPAC nomenclature of coordi-

nation compounds; stereochemistry of

complexes with 4 and 6 coordination

numbers; chelate effect and polynuclear

complexes: trans effect and its theories:

kinetics of substitution reactions in

square-planer complexes; thermodynam-

ic and kinetic stability of complexes.

(c) Synthesis and structures of metal carbonyls; carboxylate anions, carbonyl hvdrides and metal nitrosyl compounds. (d) Complexes with aromatic systems, synthesis, structure and bonding in metal olefin complexes, alkyne complexes and cyclopentadienyl complexes; coordinative unsaturation, oxidative addition reactions, insertion reactions, fluxional molecules and their characterization. Compounds

with metal-metal bonds and metal atom

13. General chemistry of 'f' block ele-

Lanthanides and actinides; separation,

oxidation states, magnetic and spectral

clusters.

properties; lanthanide contraction. 14. Non-Aqueous Solvents Reactions in liquid NH3, HF, SO2 and H2 SO4. Failure of solvent system concept, coordination model of non-aqueous sol-

vents. Some highly acidic media, fluoro-

sulphuric acid and super acids.

control of reactions.

indole.

PAPER II 1. Delocalised covalent bonding : Aromaticity, anti-aromaticity; annulenes, azulenes, tropolones, kekulene, fulvenes, sydnones.

2 (a) Reaction mechanisms: General methods (both kinetic and non-kinetic) of study of mechanism or organic reactions illustrated by examples-use of isotopes, cross-over experiment, intermediate trapping, stereochemistry; energy diagrams

geometry, stability and reactions of carbonium and carbanium ions, carbanions, free radicals, carbenes, benzynes and (c) Substitution reactions: SN1, SN2, SNi, SN1', SN2', SNi' and SRN1 mechanisms; neighbouring group participation; electrophilic and nucleophilic reactions of

(b) Reactive intermediates: Generation.

of simple organic reactions-transition

PAPER-I Section A

Stokes equition-Bernoulli's theorem. Flow meters. Fluid drag and pressure drop due to friction, Reynold's Number and friction

aromatic compound including simple heterocyclic compounds-pyrrole, thiophene,

states and intermediates; energy of activation; thermodynamic control and kinetic

uids. Mixing of solids and pastes.

average molecular weights of polymers. Determination of molecular weights by

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(d) Elimination reactions : E1, E2 and

E1cb mechanisms: orientation in E2 reac-

tions-Saytzeff and Hoffmann; pyrolytic

(e) Addition reactions : Electrophilic

addition to C=C and C=C; nucleophilic

addition to C=O, C=N, conjugated olefins

(f) Rearrangements: Pinacol-pinacol-

une, Hoffmann, Beckmann, Baeyer-

Villiger, Favorskii, Fries, Claisen, Cope,

3. Pericyclic reactions: Classification

and examples; Woodward-Hoffmann

rules-clectrocyclic reactions, cycloaddi-

tion reactions [2+2 and 4+2] and sigmat-

ropic shifts [1, 3; 3, 3 and 1, 5] FMO

4. Chemistry and mechanism of reac-

tions: Aldol condensation (including

directed aldol condensation), Claisen

Richter reactions; Stobbe, benzoin and

acyloin condensations; Fischer indole

synthesis, Skraup synthesis, Bischler-

(a) Physical chemistry of polymers:

Polymer solutions and their thermody-

namic properties; number and weight

Sandmeyer,

Wolff-Kishner. Cannizzaro and

Tiemann and Reformatsky reactions.

Dieckmann,

Witting, Clemmensen,

Reimer-

Wagner-Meerwein

elimination-acetate

Chugaev and Cope eliminations.

and

Stevens

rearrangements.

Knoevenagel,

Napieralski,

5. Polymeric Systems

sedimentation, light scattering, osmotic

pressure, viscosity, end group analysis (b) Preparation and properties of polymers: Organic polymers-polyethylene, polystyrene, polyvinyl chloride, Teflon, nylon, terylene, synthetic and natural rub-

ber. Inorganic polymers-phosphonitrilic halides, borazines, silicones and silicates. (c) Biopolymers: Basic bonding in proteins, DNA and RNA. 6. Synthetic uses of reagents: OsO₄,

HIO₄, CrO₃, Pb(OAc)₄, SeO₂, NBS, B₂H₆, Na-Liquid NH₃, LiA1H4, NaBH₄ n-BuLi, MCPBA. 7. Photochemistry: Photochemical reactions of simple organic compounds, excited and ground states, singlet and

triplet states, Norrish-Type I and Type II

8. Principles of spectroscopy and applications in structure elucidation (a) Rotational spectra-diatomic molecules; isotopic substitution and rotational constants.

(b) Vibrational spectra-diatomic molecules, linear triatomic molecules, specific frequencies of functional groups in polyatomic molecules. (c) Electronic spectra: Singlet and triplet states. N-> π^* and π -> π^* transitions; application to conjugated double bonds

and conjugated carbonyls-Woodward-

Fieser rules. (d) Nuclear magnetic resonance : Isochronous and anisochronous protons; chemical shift and coupling constants; Application of H¹ NMR to simple organic molecules. (e) Mass spectra: Parent peak, base peak, daugther peak, metastable peak, fragmentation of simple organic molecules;- cleavage, McLafferty rearrange-

(f) Electron spin resonance : Inorganic complexes and free radicals. **CHEMICAL ENGINEERING**

(a) Fluid and Particle Dynamics Viscosity of fluids. Laminar and turbulent flows. Equation of continuity and Navier-

factor - effect of pipe roughness. Economic pipe diameter. Pumps, water, air/steam jet ejectors, compressors, blowers and fans. Agitation and mixing of liq-

Employment News 16-22 March 2013 www.employmentnews.gov.in STRUCTURAL ANALYSIS: Crushing and Grinding - principles and Laminar Flow: Laminar flow between equipment. Rittinger's and Bond's laws. Isothermal and non-isothermal reactors Castiglianio's theorems I and II, unit load parallel, stationary and moving plates, Filtration and filtration equipment. Fluidand reactor stability. method, method of consistent deformaflow through tube. particle mechanics - free and hindered tion applied to beams and pin jointed Section B **Boundary layer**: Laminar and turbulent settling. Fluidisation and minimum flu-(d) Chemical Technology trusses. Slope-deflection, moment distriboundary layer on a flat plate, laminar idization velocity, concepts of compressi-Natural organic products - Wood and bution, Kani's method of analysis and colsublayer, smooth and rough boundaries, ble and incompressible flow. Transport of wood-based chemicals, pulp and paper, umn Analogy method applied to indeterdrag and lift. Turbulent flow Solids. Agro industries - sugar, Edible oils extracminate beams and rigid frames. through pipes Rolling loads and Influences lines: Characteristics of turbulent flow, velocity (b) Mass Transfer tion (including tree based seeds), Soaps and detergents. Essential oils - Biomass distribution and variation of pipe friction Molecular diffusion coefficients, First and Influences lines for Shear Force and second law and diffusion, mass transfer Bending moment at a section of a beam. gasification (including biogas). Coal and factor, hydraulic grade line and total enercoefficients, film and penetration theories coal chemical. Petroleum and Natural Criteria for maximum shear force and gy line, siphons, expansion and contracof mass transfer. Distillation, simple distilgas-Petroleum refining (Atomospheric bending Moment in beams traversed by a tions in pipes, pipe networks, water hamlation, relative volatility, fractional distilladistillation/cracking/reforming) mer in pipes and surge tanks. system of moving loads. Influences lines tion, plate and packed columns for distil-Petrochemical industries - Polyethylenes for simply supported plane pin jointed Open channel flow: UniForm and nonlation. Calculation of theoretical number (LDPE/HDPE/LLDPE), Polyvinyl trusses. uniForm flows, momentum and energy plates. Liquid-liquid Chloride, Polystyrene. Ammonia manucorrection factors, specific energy and eguilibria. Arches: Three hinged, two hinged and Extraction - theory and practice; Design of fixed arches, rib shortening and temperaspecific force, critical depth, resistance facture. Cement and lime industries. columns. Paints and varnishes. Glass and ture effects, influence lines in arches. gas-absorption Drying. equations and variation of roughness Humidification. dehumidification. ceremics. Fermentation - alcohol Matrix methods of analysis: Force coefficient, rapidly varied flow, flow in con-Crystallisation. Design of equipment. antibiotics. method and displacement method of tractions, flow at sudden drop, hydraulic (c) Heat Taransfer (e) Environmental Engineering and analysis of indeterminate beams and rigid jump and its applications surges and Conduction, thermal conductivity, extend-Safety frames. waves, gradually varied flow, classificaed surface heat transfer. Ecology and Environment. Sources of tion of surface profiles, control section, Plastic Analysis of beams and frames : Convection - free and forced. Heat transpollutants in air and water. Green house Theory of plastic bending, plastic analystep method of integration of varied flow equation, moving surges and hydraulic fer coefficients - Nusselt Number, LMTD effect, ozone layer depletion, acid rain. sis, statical method, Mechanism method. and effectiveness. NTU methods for the Micrometeorology and dispersion of pollu-Unsymmetrical bending: Moment of inerbore. **HYDRAULIC MACHINES** AND design of Double Pipe and Shell & Tube tants in environment. Measurement techtia, product of inertia, position of Neutral **HYDROPOWER:** Heat Exchangers. Analogy between heat niques of pollutant levels and their control Axis and Principle axes, calculation of and momentum transfer. Boiling and constrategies. Solid wastes, their hazards bending stresses. Centrifugal pumps-Types, characteristics, densation heat transfer. Single and multiand their disposal techniques. Design and Part-B Net Positive Suction Height (NPSH), speperformance analysis of pollution control **DESIGN OF STRUCTURES: STEEL,** cific speed. Pumps in parallel. ple-effect evaporators. Rediation - Stefan-Boltzman Law, emissivity and absorptivity. equipment. Fire and explosion hazards CONCRETE AND **MASONRY** Reciprocating pumps, Airvessels, STRUCTURES. Calculation of heat load of a furnace. rating - HAZOP and HAZAN. Emergency Hydraulic ram, efficiency parameters, STRUCTURAL STEEL DESIGN: Rotary and positive displacement pumps, disaster Solar heaters. planning, management. Section B Environmental legislations - water, air Structural Steel: Factors of safety and diaphragm and jet pumps. (d) Noval Separation Processes environment protection Acts. Forest load factors. Rivetted, bolted and welded Hydraulic turbines, types classification, Equilibrium separation processes - ion-(Conservation) Act. joints and connections. Design of tension Choice of turbines, performance parameters, controls, characteristics, specific exchange, osmosis, electro-dialysis, (f) Process Engineering Economics: and compression members, beams of reverse osmosis, ultra-filtration and other Fixed and working capital requirement for built up section, rivetted and welded plate speed. membrane processes. Molecular distillagirders, gantry girders, stancheons with a process industry and estimation meth-Principles of hydropower development. tion. super critical fluid extraction. ods. Cost estimation and comparison of battens and lacings, slab and gussetted Type, layouts and Component works. (e) Process Equipment Design alternatives. Net present value by discolumn bases. Surge tanks, types and choice. Flow dura-Factors affecting vessel design criteria counted cash flow. Pay back analysis. Design of highway and railway bridges: tion curves and dependable flow. Storage IRR, Depreciation, taxes and insurance. Through and deck type plate girder, Cost considerations. Design of storage an pondage. Pumped storage plants. vessels-vertical, horizontal spherical, Break-even point analysis. Project sched-Warren girder, Pratt truss. Special features of mini, micro-hydel underground tanks for atmospheric and uling - PERT and CPM. Profit and loss AND DESIGN OF CONCRETE plants. **MASONRY STRUCTURES:** higher pressure. Design of closures flat account, balance sheet and financial Part-D statement. Plant location and plant layout Concept of mix design. Reinforced **GEO TECHNICAL ENGINEERING** and eliptical head. Design of supports. Materials of construction-characteristics Concrete: Working Stress and Limit State Types of soil, phase relationships, consisincluding piping.

rigid body. Concurrent, Non Concurrent and parallel forces in a plane, moment of force and Varignon's theorem, free body diagram, conditions of equilibrium,

Principle of virtual work, equivalent force

First and Second Moment of area, Mass

Static Friction, Inclined Plane and bear-

system.

moment of Inertia.

motion, Flywheel.

CIVIL ENGINEERING

Kinematics and Kinetics: Kinematics in Cartesian and Polar Coordinates, motion under uniForm and nonuniForm acceleration, motion under gravity. Kinetics of particle: Momentum and Energy principles, D' Alembert's

stants, axially loaded compression mem-

bers, Shear force and bending moment,

Theories of Elastic Failure, Thin and Thick

cylinder: Stresses due to internal and

external pressure-Lame's equations.

ships for pure components and mixtures. Energy functions and inter-relationships -Maxwell's relations. Fugacity, activity and chemical potential. Vapour-liquid equilib-

and selection.

control.

ature.

amics

(f) Process Dynamics and Control

Measuring instruments for process vari-

ables like level, pressure, flow, tempera-

ture pH and concentration with indication

in visual/pneumatic/analog/digital signal

forms. Control variable, manipulative vari-

able and load variables. Linear control

theory-Laplace, transforms. PID con-

trollers. Block diagram represenation

transient and frequency response, stabili-

ty of closed loop system. Advanced con-

trol strategies. Computer based process

Paper-II

Section A

Material and energy balance calculations

in processes with recycle/bypass/purge.

Combustion of solid/liquid/gaseous fuels,

stoichiometric relationships and excess air requirements. Adiabatic flame temper-

(b) Chemical Engineering Thermodyn-

Laws of thermodynamics. PVT relation-

(a) Material and Energy Balances

ria, for ideal/non-ideal, single and multi component systems. criteria for chemical reaction equilibrium, equilibrium constant conversions. equillibrium Thermodynamic cycles - refrigeration and

power. (c) Chemical Reaction Engineering: Batch reactors - kinetics of homogeneous reactions and interpretation of kinetic data. Ideal flow reactors - CSTR, plug flow reactors and their performance equations.

Temperature effects and run-away reactions. Heterogeneous reactions - catalytic and non-catalytic and gas-solid and gasliquid reactions. Intrinsic kinetics and global rate concept. Importance of interphase and intraparticle mass transfer on

PAPER-I Part-A: MECHANICS, **ENGINEERING** STRENGTH OF MATERIALS AND STRUCTURAL ANALYSIS. **ENGINEERING MECHANICS:** Units and Dimensions, SI Units, Vectors, Concept of Force, Concept of particle and

Principle, Collision of elastic bodies, rotation of rigid bodies, simple harmonic **STRENGTH OF MATERIALS:** Simple Stress and Strain, Elastic con-

theory of simple bending, Shear Stress distribution across cross sections, Beams of uniForm strength, Leaf spring. Strain Energy in direct stress, bending & shear.

Deflection of beams: Mecaulay's method, Mohr's Moment area method, Conjugate beam method, unit load method. Torsion of Shafts, Transmission of power, close coiled helical springs, Elastic stability of columns, Euler's Rankine's and Secant formulae. Principal Stresses and Strains in two dimensions, Mohr's Circle,

Venturi meters.

undistorted and distorted models.

based on working stress, loss of prestress. Design of brick masonry as per I.S. Codes Design of masonry retaining walls. Part-C FLUID MECHANICS, OPEN CHANNEL FLOW AND HYDRAULIC MACHINES Fluid Mechanics: Fluid properties and

method of design-Recommendations of

I.S. codes design of one way and two way

slabs, stair-case slabs, simple and contin-

uous beams of rectangular, T and L sec-

tions. Compression members under direct

load with or without eccentricity, Isolated

Cantilever and Counterfort type retaining

Water tanks: Design requirements for

Rectangular and circular tanks resting on

Prestressed concrete: Methods and sys-

Analysis and design of sections for flexure

of prestressing, anchorages,

and combined footings.

ground.

their role in fluid motion, fluid statics including forces acting on plane and curve surfaces. Kinematics and Dynamics of Fluid flow: Velocity and accelerations, stream lines, equation of continuity, irrotational and rotational flow, velocity potential and

stream functions, flownet, methods of drawing flownet, sources and sinks, flow separation, free and forced vortices. Control volume equation, continuity, momentum, energy and moment of momentum equations from control volume equation, Navier-Stokes equation, Euler's equation of motion, application to

fluid flow problems, pipe flow, plane, curved, stationary and moving vanes, ment. sluice gates, weirs, orifice meters and **Dimensional Analysis and Similitude:** Buckingham's Pi-theorem, dimensionless parameters, similitude theory, model laws,

tency limits particles size distribution, classifications of soil, structure and clay Capillary water and structural water, effective stress and pore water pressure, Darcy's Law, factors affecting permeability, determination of permeability, permeability of stratified soil deposits. Seepage pressure, quick sand condition, compressibility and consolidation, Terzaghi's theory of one dimensional con-

solidation, consolidation test.

failure theory, Shear tests.

pressure.

meter tests.

Compaction of soil, field control of compaction. Total stress and effective stress parameters, pore pressure coefficients.

Shear strength of soils, Mohr Coulomb Earth pressure at rest, acive and passive pressures, Rankine's theory, Coulomb's

wedge theory, earth pressure on retaining wall, sheetpile walls, Braced excavation. Bearing capacity, Terzaghi and other important theories, net and gross bearing

Immediate and consolidation settlement. Stability of slope, Total Stress and

Effective Stress methods, Conventional methods of slices, stability number. Subsurface exploration, methods of boring, sampling, penetration tests, pressure

Essential features of foundation, types of foundation, design criteria, choice of type

of foundation, stress distribution in soils,

Boussinessq's theory, Newmarks's chart, pressure bulb, contact pressure, applicability of different bearing capacity theories, evaluation of bearing capacity from field tests, allowable bearing capacity, Settlement analysis, allowable settle-Proportioning of footing, isolated and

combined footings, rafts, buoyancy rafts, Pile foundation, types of piles, pile capacity, static and dynamic analysis, design of pile groups, pile load test, settlement of piles, lateral capacity. Foundation for

48 **Employment News 16-22 March 2013** www.employmentnews.gov.in Bridges. Ground improvement tech-Traffic Engineering: Forecasting techsludge process, septic tank, disposal of Watershed management : niques-preloading, sand drains, stone colniques, origin and destination survey. Forests Soils: classification, factors sludge, recycling of waste water. umn, grouting, soil stabilisation. highway capacity. Channelised and Solid waste: collection and disposal in affecting soil formation; physical, chemi-PAPER-II unchannelised intersections, rotary rural and urban contexts, management of cal and biological properties. design elements, markings, sign, signals, Soil conservation - definition, causes for Part-A long-term ill-effects. CONSTRUCTION TECHNOLOGY, street lighting; Traffic surveys. Principle of Environmental pollution: Sustainable erosion; types - wind and water erosion; EQUIPMENT. **PLANNING** AND highway financing. development. Radioactive wastes and conservation and management of eroded **MANAGEMENT** Part-c: disposal. Environmental impact assesssoils/areas, wind breaks, shelter belts; HYDROLOGY, WATER RESOURCES 1. Construction Technology: ment for thermal power plants, mines, sand dunes; reclamation of saline and **Engineering Materials:** river valley projects. Air pollution. AND ENGINEERING: alkaline soils, water logged and other Physical properties of construction materials: waste lands. Role of forests in conserving Hydrology: Hydrological cycle, precipita-Pollution control acts. Stones, Bricks and Tiles; Lime, Cement tion, evaporation, transpiration, depres-**FORESTRY** soils. Maintenance and build up of soil and Surkhi Mortars; Lime Concrete and sion storage, infiltration, overland flow, PAPER-I organic matter, provision of loppings for hydrograph, flood frequency analysis, Cement Concrete, Properties of freshly Section A green leaf manuring; forest leaf litter and mixed and hardened concrete, Flooring flood estimation, flood routing through a 1. Silviculture - General : composting; Role of microorganisms in Tiles, use of ferrocement, fibre-reinforced reservoir. channel flow General Silvicultural Principles: ecoameliorating soils; N and C cycles, VAM. logical and physiological factors influenc-Watershed Management - concepts of and polymer concrete, high strength con-Muskingam method. crete and light weight concrete. Timber: Ground water flow: Specific yield, storing vegetation, natural and artificial regenwatershed; role of mini-forests and forest Properties and uses; defects in timber; age coefficient, coefficient of permeability, eration of forests; methods of propagatrees in overall resource management, tion, grafting techniques; site factors; seasoning and preservation of timber. confined and unconfined aquifers, forest hydrology, watershed development aguitards, radial flow into a well under Plastics, rubber and damp-proofing matenursery and planting techniques-nursery in respect of torrent control, river channel rials, termite proofing, Materials, for Low confined and unconfined conditions, tube beds, polybags and maintenance, water stabilization, avalanche and landslide wells, pumping and recuperation tests, cost housing. budgeting, grading and hardening of controls, rehabilitation of degraded areas; ground water potential. seedlings; special approaches; establishhilly and mountain areas; watershed man-Construction: Building components and their functions; WATER RESOURCES ENGINEERING: ment and tending. agement and environmental functions of Brick masonry: Bonds, jointing. Stone 2. Silviculture - systems : Ground and surface water resource, sinforests; water-harvesting and conservamasonry. Design of Brick masonry walls gle and multipurpose projects, storage Clear felling, uniform shelter wood selection; ground water recharge and wateras per I.S. codes, factors of safety, capacity of reservoirs, reservoir losses, tion, coppice and conversion systems. shed management; role of integrating forserviceability and strength requirements; Management of silviculture systems of est trees, horticultural crops, field crops, reservoir sedimentation, economics of plastering, pointing. Types of Floors & water resources projects. temperate, subtropical, humid tropical, grass and fodders. **IRRIGATION ENGINEERING:** Water Roofs. Ventilators, Repairs in buildings. dry tropical and coastal tropical forests 3. Environmental Conservation and Functional planning of building: Building requirements of crops: consumptive with special reference to plantation silvi-**Biodiversity:** orientation, circulation, grouping of areas, use, quality of water for irrigation, duty culture, choice of species, establishment Environment; components and imporprivacy concept and design of energy and delta, irrigation methods and their and management of standards, enrichtance, principles of conservation, impact efficient building; provisions of National ment methods, technical constraints, efficiencies. of deforestation; forest fires and various Building Code. Canals: Distribution systems for canal intensive mechanized methods, aerial human activities like mining, construction Building estimates and specifications; irrigation, canal capacity, canal losses, seeding thinning. and developmental projects, population alignment of main and distributory canals. 3. Silviculture - Mangrove and Cold Cost of works; valuation. growth on environment. 2. Construction Equipment: most efficient section, lined canals, their Pollution - types, global warming, green Standard and special types of equipment, design, regime theory, critical shear Mangrove: habitat and characteristics. house effects, ozone layer depletion, acid mangrove, plantation-establishment and Preventive maintenance and repair, stress, bed load, local and suspended rain, impact and control measures, envifactors affecting the selection of equipload transport, cost analysis of lined and rehabilitation of degraded mangrove forronmental monitoring; concept of sustainment, economical life, time and motion unlined canals, drainage behind lining. mations; silvicultural systems for manable development. Role of trees and Water logging: causes and control, study, capital and maintenance cost. grove; protection of habitats against natuforests in environmental conservation; Concreting equipments: Weigh batchdrainage system design, salinity. ral disasters. control and prevention of air, water and er, mixer, vibration, batching plant, Canal structures: Design of cross regula-Cold desert - Characteristics, identificanoise pollution. Environmental policy and tors, head regulators, canal falls, aque-Concrete pump. tion and management of species. legislation in India. Environmental Impact Earth-work equipment: Power shovel ducts, metering flumes and canal outlets. 4. Silviculture of trees: Assessment. Economics assessment of hoe, bulldozer, dumper, trailors, and trac-Diversion head work: Principles and Traditional and recent advances in tropiwatershed development vis-a-vis ecologitors, rollers, sheep foot roller. design of weirs of permeable and impercal silvicultural research and practices. cal and environmental protection. Construction Planning meable foundation, Khosla's theory, Silviculture of some of the economically 4. Tree Improvement and Management: Construction activity, energy dissipation, stilling basin, sediimportant species in India such as Acacia schedules, job layout, bar charts, organment excluders. catechu, Acacia nilotica, Acacia auriculi-General concept of tree improvement, ization of contracting firms, project con-Storage works: Types of dams, design, formis, Albizzia lebbeck, Albizzia procera, methods and techniques, variation and its trol and supervision. Cost reduction principles of rigid gravity and earth dams, Anthocephalus Cadamba, Anogeissus use, provenance, seed source, exotics; measures stability analysis, foundation treatment, latifolia, Azadirachta indica, Bamboo spp. quantitative aspects of forest tree New-work analysis: CPM and PERT joints and galleries, control of seepage. Butea monosperma, Cassia siamea, improvement, seed production and seed analysis, Float Times, cashing of activi-Spillways: Spillway types, crest gates, Casuarina equisetifolia, Cedrus deodara, orchards, progeny tests, use of tree ties, contraction of network for cost opti-Chukrasia tabularis, Dalbergia sisoo, energy dissipation. improvement in natural forest and stand mization, up dating, Cost analysis and River training: Objectives of river training, Dipterocarpus spp., Emblica officindils, improvement, genetic testing programresource allocation. methods of river training. Eucalyptus spp, Gmelina Arborea, Elements of Engineering Economics, ming, selection and breeding for resist-Part-D Hardwickia binata, Largerstroemia **ENVIRONMENTAL ENGINEERING** ance to diseases, insects, and adverse methods of appraisal, present worth, Lanceolata, Pinus roxburghi, Populus environment; the genetic base, forest annual cost, benefit-cost, incremental Water Supply: Estimation of surface and spp, Pterocarpus marsupium, Prosopis analysis. Economy of scale and size. subsurface water resources, predicting juliflora, Santalum album, Semecarpus genetic resources and gene conservation Choosing between alternatives including demand for water, impurities, of water and anacardium,. Shorea robusta, Salmalia in situ and ex-situ. Cost benefit ratio, ecolevels of investments. Project profitability. their significance, physical, chemical and malabaricum, Tectona grandis, Terminalis nomic evaluation. Part-B bacteriological analysis, waterborne distomemtosa, Tamarindus indica. SURVEY AND TRANSPORTATION eases, standards for potable water. **Section B ENGINEERING** Intake of water: pumping and gravity 1. Agroforestry, Social Forestry, Joint **Forest** schemes. Water treatment: principles of Survey: Common methods of distance Forest Management and Tribology: Management Systems: coagulation, flocculation and sedimentaand angle measurements, plane table Agroforestry - scope and necessity; role Objective and principles; techniques; in the life of people and domestic animals survey, levelling traverse survey, triangution; slow-; rapid-, pressure-, filters; chlostand structure and dynamics, sustained rination, softening, removal of taste, lation survey, corrections, and adjustand in integrated land use, planning espeyield relation; rotation, normal forest, ments, contouring, topographical map. odour and salinity. cially related to (i) soil and water consergrowing stock; regulation of yield; man-Surveying instruments for above purpos-Water storage and distribution : storvation; (ii) water recharge; (iii) nutrient agement of forest plantations, commercial es. Tacheometry. Circular and transition age and balancing reservoirs : types, availability to crops; (iv) nature and ecoforest curves. Principles of photogrammetry. location and capacity. Distribution system system preservation including ecological Approaches viz., (i) site-specific planning, Railways: Permanent way, sleepers, rail : layout, hydraulics of pipe lines, pipe fitblances through pest-predator relation-(ii) strategic planning, (iii) Approval, sanctings, valves including check and presfastenings, ballast, points and crossings, ships and (v) providing opportunities for design of turn outs, stations and yards, sure reducing valves, meters, analysis of enhancing bio-diversity, medicinal and tion and expenditure, (iv) Monitoring (v) turntables, signals, and interlocking, leveldistribution systems, leak detection, mainother flora and fauna. Agro forestry sys-Reporting and governance. Details of tenance of distribution systems, pumping tems under different agro-ecological crossing. Construction and maintenance steps involved such as formation of of permanent ways: Superelevation, zones; selection of species and role of stations and their operations. Village Forest Committees, Joint Forest creep of rail, ruling gradient, track resist-Sewage systems: Domestic and indusmultipurpose trees and NTFPs, tech-Participatory Management. niques, food, fodder and fuel security. ance, tractive effort, relaying of track. trial wastes, storm sewage-separate and 2. Forest Working Plan: Highway Engineering: Principles of Research and Extension needs. combined systems, flow through sewers, Forest planning, evaluation and monitorhighway planning, Highway alignments. design of sewers, sewer appurtenances, Social/Urban Forestry: objectives, scope ing tools and approaches for integrated Geometrical design: Cross section, cammanholes, inlets, junctions, siphon. and necessity; peoples participation. planning; multipurpose development of ber, superelevation, horizontal and verti-JFM - principles, objectives, methodology, Plumbing in public buildings. forest resources and forest industries Sewage characterisation: BOD, COD, cal curves. Classification of roads: low scope, benefits and role of NGOs. development; working plans and working cost roads, flexible pavements, rigid pave-Tribology - tribal scene in India; tribes, solids, dissolved oxygen, nitrogen and schemes, their role in nature conservaments. Design of pavements and their TOC. Standards of disposal in normal concept of races, principles of social tion, bio-diversity and other dimensions; construction, evaluation of pavement failwater course and on land. grouping, stages of tribal economy, edupreparation and control. ure and strengthening. Sewage treatment: Working principles, cation, cultural tradition, customs, ethos Drainage of roads: Surface and sub-surunits, chambers, sedimentation tanks, and participation in forestry programmes. Working Plans, face drainage. trickling filters, oxidation ponds, activated 2. Forest Soils, Soil Conservation and Operations.

Seed

PAPER II

Section A

Management

cover

Annual

Plan

monitoring.

and co-operatives; role of corporate Methods of measuring - diameter, girth, height and volume of trees; form-factor; financing. Socio-economic analyses of forest productivity and attitudes; valuation volume estimation of stand, current anuof forest goods and service. ual increment; mean annual increment. Legislation-History of forest development; Sampling methods and sample plots. Yield calculation; yield and stand tables,

Indian Forest Policy of 1894, 1952 and 1990. National Forest Policy. 1988 of People's involvement, Joint Forest Management, Involvement of women; Forestry Policies and issues related to

market structures: role of private sector

land use, timber and non-timber products, sustainable forest management; industrialisation policies; institutional and strucchanges. Decentralization and

forest cover monitoring through remote Geographic Information Systems for management and modelling. 4. Surveying and Forest Engineering: Forest surveying - different methods of Forestry Public Administration. Forest laws, necessity; general principles, Indian Forest Act 1927; Forest Conservation Act,

oceans.

Sensing

continent.

tion-mertis and

(ii)

surveying, maps and map reading. Basic principles of forest engineering. Building materials and construction. Roads and Bridges; General principles, objects, types, simple design and construction of timber bridges. 1980; Wildlife Protection Act 1972 and Section B their amendments; Application of Indian 1. Forest Ecology and Ethnobotany: Forest ecology - Biotic and aboitic com-Penal Code to Forestry. Scope and objecponents, forest eco-systems; forest comtives of Forest Inventory. munity concepts; vegetation concepts, **GEOLOGY** ecological succession and climax, pri-PAPER I mary productivity, nutrient cycling and Section-A (i) General Geology

water relations; physiology in stress environments (drought, water logging salinity and alkalinity). Forest types in India, identification of species, composition and

Sensing:

sensing;

associations; dendrology, taxonomic classification, principles and establishment of herbaria and arboreta. Conservation of forest ecosystems. Clonal parks, Role of Ethnobotany in Indian Systems of Medicine; Ayurveda and Unani -Introduction, nomenclature, habitat, distribution and botanical features of medicinal and aromatic plants. Factors affecting action and toxicity of drug plants and their

chemical constituents.

Environmenatlly sound forest harvesting practices; logging and extraction techniques and principles, transportation system, storage and sale; Non-Timber Forest Products (NTFPs) definition and scope; gums, resins, oleoresins, fibres, oil seeds nuts, rubber, canes, bamboos, medicinal plants, charcoal, lac and shellac, Katha and Bidi leaves, collection; processing and disposal. Need and importance of wood seasoning and preservation; general principles of seasoning, air and kiln seasoning, solar

2. Forest Resources and Utilization:

dehumidification, steam heated and electrical kilns. Composite wood; adhesivesmanufacture, properties, uses, plywood manufacture-properties, boards-manufacture properties, uses; particle boards manufacture; properties uses. Present status of composite wood industry in India in future expansion plans. Pulp-paper and rayon; present position of supply of raw material to industry, wood substitution, utilization of plantation wood; problems and possibilities. Anatomical structure of wood, defects and abnormalities of wood, timber identifica-

tion - general principles. 3. Forest Protection & Wildlife Biology: ioints Injuries to forest - abiotic and biotic, destructive agencies, insect-pests and disease, effects of air pollution on forests and forest die back. Susceptibility of forests to damage, nature of damage, cause, prevention, protective measures Species- definition and nomenclature Megafossils and Microfossils. Modes of and benefits due to chemical and biologipreservation of fossils. Different kinds of cal control. General forest protection against fire, equipment and methods, controlled use of fire, economic and environmental costs; timber salvage operations after natural disasters. Role of afforestation and forest regeneration in absorption of CO2. Rotational and controlled grazing, different methods of con-

trol against grazing and browsing animals; effect of wild animals on forest regeneration, human impacts; encroachement, poaching, grazing, live fencing, theft, shifting cultivation and control. 4. Forest Economics and Legislation: Forest economics: fundamental princi-

ples, cost-benefit analyses; estimation of demand and supply; analysis of trends in the national and international market and changes in production and consumption

The Solar System, meteorities, origin and interior of the earth. Radioactivity and age of earth; Volcanoes- causes and products, volcanic belts. Earthquakes-causes, (i) Mineralogy effects, earthquake belts, seismicity of India, intensity and magnitude, seismongraphs. Island arcs, deep sea trenches

and mid-ocean ridges. Continental driftevidences and mechanics; seafloor spreading, plate tectonics. Isostasy, orogeny and epeirogeny. Continents and Geomorphology and Remote Basic concepts of geomorphology. Weathering and mass Landforms. slopes and Geomorphic cycles and their interpretation. Morphology and its relation to structures and lithology. Applications of geomorphology in mineral prospecting, civil

limitations.

engineering,. hydrology and environmen-

tal studies. Geomorphology of Indian sub-

Aerial photographs and their interpreta-

Electronmagnetic Spectrum. Orbiting

satellites and sensor systems. Indian

Remote Sensing Satellites. Satellites data

products. Applications of remote sensing in geology. The Geographic Information System and its applications. Global Positioning System. (iii) Structural geology Priniples of geologic mapping and map reading, projection diagrams, stress and strain ellipsoid and stress-strain relationships of elastic, plastic and viscous materials. Strain markers in deformed rocks. Behaviour of minerals and rocks under deformation conditions. Folds and faults classification and mechanics. Structural analysis of folds, foliations, lineations, and faults, unconformities. Superposed deformation. Time-relationship between crystallization and deformation. Introduction to petrofabrics. Section-B (iv) Paleontology

microfossils. Application of microfossils in correlation, petroleum exploration, paleo-

flora and its importance.

India. Study of stratigraphic distribution

climatic and paleoceanographic studies. Morphology, geological history and evolutionary trend in Cephalopoda, Trilobita, Brachiopoda, Echinoidea and Anthozoa. Stratigraphic utility of Ammonoidea, Trilobita and Graptoloidea. Evolutionary trend in Hominidae, Equidae and Proboscidae. Siwalik fauna. Gondwana (v) Stratigraphy and Geology of India Classification of stratigraphic sequences: lithostratigraphic, biostratigraphic, chronostratigraphic and magnetostratigraphic and their interrelationships. Distribution and classification of Precambrian rocks of Permian/Triassic, Cretaceous/Tertiary and Pliocene/Pleistocene. Study of climatic conditions, paleogeography and igneous activity in the Indian subcontinent in the geological past. Tectonic framework of India. Evolution of the Himalayas. (vi) Hydrogeology and Engineering Geology: Hydrologic cycle and genetic

Cambrian/Precambrian,

India with reference to fauna, flora and

economic importance. Major boundary

classification of water. Movement of subsurface water. Springs. Porosity, permeability, hydraulic conductivity, transmissivity and storage coefficient, classification of aquifers. Water-bearing character-

(vi) Geochemistry and Environmental Cosmic Composition of the planets and meteorites. Structure and compostion of earth and distribution of elements. Trace elements. Elements of crystal chemistrytypes of chemical bonds, coordination number. Isolmorphism and polymoristics of rocks. Groundwater chemistry. phism. Elementary thermodynamics. Salt water intrusion. Types of wells. Drainage basin morphometry. Exploration coastal erosion, earthquakes and volfor groundwater. Groundwater recharge. canic Problems and management of groundwa-Environmental impact of urbanization,

ter. Rainwater harvesting. Engineering open cast mining, industrial and radioacproperties of rocks. Geological investigative waste disposal, use of fertilizers, tions for dams, tunnels and bridges. Rock dumping of mine waste and fly-ash. as construction material. Alkali-aggregate Pollution of ground and surface water,

metry. Crystal defects. Elements of X-ray

crystallography.

Petrological microscope and accessories. Optical properties of common rock form-

ing minerals. Pleochroism, extinction angle, double refraction, birefringence, twinning and dispersion in minerals. Physical and chemical characters of rock forming slilicate mineral groups. Structural classification of silicates. Common miner-

Crystallisation of albite-anorthite, diop-

side-anorthite and diopside-wollastonite-

silica systems. Reaction principle.,

Magmatic differentation and assimilation.

Petrogenetic significance of the textures

and structrues of igneous rocks.

Petrography and petrogenesis of granite,

syenite, diorite, basic and ultrabasic

groups, charnockite, anorthosite and

alkaline rocks. Carbonatites. Deccan vol-

Types and agents of metamporphism.

Metamporphic grades and zones. Phase

rule. Facies of regional and contact meta-

morphism. ACF and AKF diagrams.

Textures and structures of metamporphic

rocks. Metamorphism of arenaceous,

argillaceous and basic rocks. Minerals

assemblages Retrograde metamorphism.

Sedimentary rocks: Processes of forma-

Properties of sediments. Clastic and non-

clastic rocks-their classification, petrogra-

phy and depositional environment.

Section-B

Controls of ore localisation. Ore textures

and structures. Metallogenic epochs and

migmatites, Granulite terrains of India.

diagenesis and

and

granitisation,

lithification.

Metasomatism

(iii) Sedimentology

(iv) Economic Geology

sulphide and halide groups.

als of igneous and metamorphic rocks. Minerals of the carbonate, phosphate,

(ii) Igneous ad Metamorphic Petrology Generation and crystallisation of magma.

indefinite integrals, infinite and improper intergrals, beta and gamma functions. Double and triple integrals (evaluation

lines, shortest distance between two skew lines, plane, sphere, cone, cylinder., paraboloid, ellipsoid, hyperboloid of one and two sheets and their properties.

tions of first order but not of first degree, Clariaut's equation, singular solution.

cance. Heavy minerals and their significance. Sedminetary basins of India. able coefficients, determination of com-Ore, ore minerals and gangue, tenor of plete solution when one solution is known, ore, classification of ore deposits. method of variation of parameters. Process of formation of minerals deposits.

energy, motion under impulsive forces, Kepler's laws, orbits under central forces, motion of varying mass, motion under Equilibrium of a system of particles, work

motion, work and energy, conservation of

reaction. Landslides-causes, prevention marine pollution Environment protectionand rehabilitation. Earthquake-resistant legislative measures in India. Paper-II Section-A Classification of crystals into systems and classes of symmetry. International system of crystallographic notation. Use of projection diagrams to represent crystal sym-

Linear Algebra Vector, space, linear dependance and

independance, subspaces, bases, dimensions. Finite dimensional vector spaces.

Mathematics

Paper-I

Section-A

Methods of prospecting-geological, geo-

physical, geochemical and geobotanical.

Techniques of sampling. Estimation of

reserves or ore. Mehtods of exploration

and mining metallic ores, industrial

minerals and marine mineral resources.

Mineral beneficiation and ore dressing.

abundance of

hazards-floods,

and

activity

elements.

landslides.

mitigation.

Matrices, Cayley-Hamiliton theorem, eigenvalues and eigenvectors, matrix of linear transformation, row and column reduction, Echelon form, egivalence, congruences and similarity, reduction to cannonical form, rank, orthogonal, symmetrical, skew symmetrical, unitary, hermitian,

skew-hermitian forms their eigenvalues. Orthogonal and unitary reduction of quadratic and hermitian forms, positive definite Calculus

Real numbers, limits, continuity, differerentiability, mean-value theorems, Taylor's theorem with remainders, indeterminate forms, maximas and minima. asyptotes. Functions of several variables: continuity, differentiability, partial derivatives, maxima and minima, Lagrange's method of multipliers, Jacobian.

Riemann's definition of definite integrals,

techniques only). Areas, surface and volumes, centre of gravity. **Analytic Geometry:** Cartesian and polar coordinates in two and three dimensions, second degree equations in two and three dimensions, reduction to cannonical forms, straight

Section-B **Ordinary Differential Equations:** Formulation of differential equations, order and degree, equations of first order and first degree, integrating factor, equa-

Sedimentary facies and provenance. Higher order linear equations, with con-Sedimentary structures and their signifistant coefficients, complementary function and particular integral, general solution, Euler-Cauchy equation. Second order linear equations with vari-

> Degree of freedom and constraints, rectilinerar motion, simple harmonic motion, motion in a plane, projectiles, constrained

Dynamics, Statics and Hydrostatics:

and potential energy, friction, common

provinces. Geology of the important

Indian deposits of aluminium, chromium. copper, gold, iron, lead zinc, manganese, titanium, uranium and thorium and industrial minerals. Deposits of coal and petroleum in India. National Mineral Policy. Conservation and utilization of mineral

resources. Marine mineral resources and Law of Sea.

50 www.employmentnews.gov.in catenary, principle of virtual work, stability binary system. arithmetic and logical operations on numbers. Bitwise operaof equilibrium, equilibrium of forces in tions. AND, OR, XOR, NOT, and three dimensions. shift/rotate operators. Pressure of heavy fluids, equilibrium of Octal Hexadecimal Systems. Conversion to and fluids under given system of forces Bernoulli's equation, centre of pressure, Form decimal Systems. thrust on curved surfaces, equilibrium of Representation of unsigned integers, signed integers and reals, double precifloating bodies, stability of equilibrium, sion reals and long integers. metacentre, pressure of gases. Algorithms and flow charts for solving **Vector Analysis:** numerical analysis problems. Scalar and vector fields, triple, products, Developing simple programs in Basic for differentiation of vector function of a problems involving techniques covered in scalar variable, Gradient, divergence and the numerical analysis. curl in cartesian, cylindrical and spherical Mechanics and Fluid Dynamics: coordinates and their physical interpretations. Higher order derivatives, vector Generalised coordinates, constraints, holonomic and non-holonomic, systems. identities and vector quations. Application to Geometry: Curves in space, curvature and torision. Serret-Frenet's formulae, Gauss and Stokes' theorems, Green's identities. Paper-II Section-A

Algebra: Groups, subgroups, normal subgroups, homomorphism of groups quotient groups basic isomorophism theorems, Sylow's group, permutation groups, Cayley theorem. Rings and ideals, principal ideal

finite fields Real Analysis: Real number system, ordered sets,

domains, unique factorization domains

and Euclidean domains. Field extensions,

bounds, ordered field, real number system as an ordered field with least upper bound property, cauchy sequence, completeness, Continuity and uniform continuity of functions, properties of continuous functions on compact sets. Riemann integral, improper integrals, absolute and conditional convergence of series of real

and complex terms, rearrangement of

series. Uniform convergence, continuity,

differentiability and integrability for sequences and series of functions. Differentiation of fuctions of several variables, change in the order of partial derivatives, implicit function theorem, maxima and minima. Multiple integrals. Complex Analysis: Analytic function,

Cauchy-Riemann equations, Cauchy's theorem, Cauchy's integral formula, power series, Taylor's series, Laurent's Series, Singularities, Cauchy's residue theorem, contour integration. Conformal mapping, bilinear transformations. **Linear Programming:**

Linear programming problems, basic

solution, basic feasible solution and opti-

mal solution, graphical method and

Transportation and assignment problems.

Section-B

Simplex method of solutions. Duality.

Curves and surfaces in three dimensions, formulation of partial differential equations, solutions of equations of type dx/p=dy/q=dz/r; orthogonal trajectories,

equation.

Travelling salesman problems.

Partial differential equations:

tion by Cauchy's method of characteristics; Charpit's method of solutions, linear partial differential equations of the second order with constant coefficients, equations

of vibrating string, heat equation, laplace

Numerical Analysis and Computer pro-

and transcendental equations of one variable by bisection, Regula-Falsi and Newton-Raphson methods, solution of

system of linear equations by Gaussian elimination and Gauss-Jordan (direct) Lagrange's method of interpolation.

D' Alembert's principle and Lagrange' equations, Hamilton equations, moment of intertia, motion of rigid bodies in two Equation of continuity, Euler's equation of motion for inviscid flow, stream-lines, path of a particle, potential flow, two-dimensional and axisymetric motion, sources and sinks, vortex motion, flow past a cylinder and a sphere, method of images. Navier-Stokes equation for a viscous fluid.

1. Theory of Machines Kinematic and dynamic analysis of planar mechanisms. Cams, Gears and gear trains, Flywheels, Governors, Balancing of rigid rotors, Balancing of single and multicylinder engines, Linear vibration analysis of mechnical systems (single degree and two degrees of freedom), Critical speeds and whirling of shafts, Automatic Controls, Belts and chain drives. Hydrodynamic bearings. 2. Mechanics of Solids:

Stress and strain in two dimensions.

Principal stresses and strains, Mohr's

construction, linear elastic materials,

isotropy and an isotropy, Stress-strain

relations, unlaxial loading, thermal stresses. Beams: Banding moment and shear

force diagrams, bending stresses and

deflection of beams, Shear stress distri-

bution. Torsion of shafts, helical springs.

Mechanical Engineering

Paper I

Combined stresses, Thick and thin walled pressure vessels. Struls and columns, Strain energy concepts and theories of failure. Rotation discs. Shrink fits. 3. Engineering Materials: Basic concepts on structure of solids, Crystalline materials, Defects in crystalline materials, Alloys and binary phase diagrams, structure and properties of common engineering materials. Heat treatment of steels. Plastics, Ceramics and composite Materials, common applications of various materials. 4. Manufacturing Science:

equation, machinability and machining economics, Rigid, small and flexible automation, NC, CNC. Recent machining methods- EDM, ECM and ultrasonics. Application of lasers and plasmas, analysis of forming processes. High energy rate forming. Jigs, fixtures, tools and gauges, Inspection of length, position, profile and surface finish. 5. MANUFACTURING MANAGEMENT: Production Planning and Control, Forecasting-Moving average, exponential smoothing, Operations sheduling; assembly line balancing. Product development. Breakeven analysis, Capacity planning. PERT and CPM. Control Operations: Inventory control-ABC analysis. EOQ model. Materials

requirement planning. Job design, Job

Research

Graphical

Marchant's force analysis, Taylor's tool life

standards, work measurement, Quality management-Quality control. Operations : Linear programmingand Simplex methods. Transportation and assignment models. Single server queuing model. Value Engineering: Value analysis, for cost/value. Total quality management and forecasting techniques. Project manage-6. ELEMENTS OF COMPUTATION: Computer Organisation, Flow charting.

PAPFR-II 1. THERMODYNAMICS: Basic concept. Open and closed systems, Applications of Thermodynamic Laws, Gas equations, Clapeyron equation,

Languages-FORTRAN d Base III, Lotus

1-2-3 C and elementary programming

Common

Features

Availability, Irreversibility and Tds rela-

2. I.C. Engines, Fuels and Combustion: Spark Ignition and compression ignition engines, Four stroke engine and Two stroke engines, mechanical, thermal and volumetric efficiency, Heat balance. Combustion process in S.I. and C.I. engines, preignition detonation in S.I. engine Diesel knock in C.I. engine.

Choice of engine fuels, Octance and Cetane retings. Alternate fuels Carburration and Fuel injection, Engine emissions and control. Solid, liquid and gaseous fuels, stoichometric air requirements and excess air factor, fuel gas analysis, higher and lower calorific values

and their measurements.

AND AIR CONDITIONING: One and two dimensional heat conduction. Heat transfer from extended surfaces, heat transfer by forced and free convection. Heat exchangers. Fundamentals for diffusive and connective mass transfer, Radiation laws, heat

3. HEAT TRANSFER, REFRIGERATION

exchange between black and non balck surfaces, Network Analysis. Heat pump refrigeration cycles and systems, Condensers, evaporators and expansion devices and controls. Properties and choice of refrigerant, Refrigeration Systems and components, psychometrics, comfort indices, cooling loading calculations, solar refrigeration.

4. TURBO-MACHINES AND POWER

Continuity, momentum and Energy

Equations. Adiabatic and Isentropic flow,

fanno lines, Raylegh lines. Theory and

PLANTS:

design of axial flow turbines and compressors. Flow through turbo-machine balde, cascades, centrifugal compressor. Dimensional analysis and modelling. Selection of site for steam, hydro, nuclear and stand-by power plants, selection base and peak load power plants Modern High pressure, High duty boilers, Draft and dust removal equipment, Fuel and cooling water systems, heat balance, station and paint heat rates, operation and

Physics

Paper I

Section-A

Centre of mass and laboratory coordinates, conservation of linear and angular momentum. The rocket equation. Rutherford scattering, Galilean transformation, inertial and non-inertial frames,

1. Classical Mechanics

(a) Particle dynamics:

power generation.

forces, Foucault pendulum. (b) System of particles: Constraints, degrees of freedom, generalised coordinates and momenta. Lagrange's equation and applications to linear harmonic oscillator, simple pendu-

lum and central force problems. Cyclic coordinates, Hamilitonian Lagrange's

maintenance of various power plants, preventive maintenance, economics of

rotating frames, centrifugal and Coriolis

Special Relativity, Waves & **Geometrical Optics** (a) Special Relativity: Michelson-Morley experiment and its

energy. 6. Thermal and Statistical Physics

and zones plates. Fresnel integrals. Application of Cornu's spiral to the analysis of diffraction at a straight edge and by a long narrow slit. Diffraction by a circular aperture and the Airy pattern. (c) Polarisation and Modern Optics:

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Simple harmonic motion, damped oscilla-

tion, forced oscillation and resonance.

Beats. Stationary waves in a string.

Pulses and wave packets. Phase and

Laws of relfection and refraction from

Fermat's principle. Matrix method in

paraxial optic-thin lens formula, nodal

planes, system of two thin lenses, chro-

Interference of light-Young's experiment,

Newton's rings, interference by thin films,

Michelson interferometer. Multiple beam

interference and Fabry-Perot interferometer. Holography and simple applications.

Fraunhofer diffraction-single slit, double

slit, diffraction grating, resolving power.

Fresnel diffraction: - half-period zones

Reflection

velocities.

(c) Geometrical Optics:

3. Physical Optics:

(a) Interference:

(b) Diffraction:

Refraction from Huygens' principle.

matic and spherical aberrations.

vector. Covariance of equations

physics.

aroup

(b) Waves:

Production and detection of linearly and circularly polarised light. Double refraction, quarter wave plate. Optical activity. Principles of fibre optics attenuation; pulse

dispersion in step index and parabolic index fibres: material dispersion, single mode

fibres. Lasers-Einstein A and B coefficients. Ruby and He-Ne lasers. Characteristics of laser light-spatial and temporal coherence.

Focussing of laser beams. Three-level scheme for laser operation. Section-B

4. Electricity and Magnetism: (a) Electrostatics and Magnetostatics: Laplace and Poisson equations in elec-

trostatics and their applications. Energy

of a system of charges, multiple expan-

sion of scalar potential. Method of images and its applications. Potential and field due to a dipole, force and

torque on a dipole in an external field.

Dielectrics, polarisation. Solutions to boundary-value problems-conducting and dielectric spheres in a uniform electric field. Magentic shell, uniformly mag-

netised sphere. Ferromagnetic materi-

als, hysteresis, energy loss. (b) Current Electricity: Kirchhoff's laws and their applications. Biot-Savart law, Ampere's law,

Faraday's law, Lenz' law. Self-and mutual-inductances. Mean and rms values in AC circuits. LR CR and LCR cir-

cuits- series and parallel resonance. Quality factor. Principal of transformer. 5. Electromagnetic Theory & Black **Body Radiation:**

(a) Electromagnetic Theory: Displacement current and Maxwell's equations. Wave equations in vacuum, Pointing theorem. Vector and scalar potentials. Gauge invariance, Lorentz

and Coulomb gauges. Electromagnetic field tensor, covariance of Maxwell's equations. Wave equations in isotropic dielectrics, reflection and refraction at the boundary of two dielectrics.

Fresnel's relations. Normal and anom-

Balckbody radiation ad Planck radiation

law- Stefan-Boltzmann law, Wien dis-

placement law and Rayleigh-Jeans law.

Planck mass, Planck length, Planck

time,. Planck temperature and Planck

alous dispersion. Rayleigh scattering

(b) Blackbody radiation:

equation from Hamilton's principle. (c) Rigid body dynamics: Eulerian angles, inertia tensor, principal moments of inertia. Euler's equation of motion of a rigid body, force-free motion of a rigid body. Gyroscope.

implications. Lorentz transformationslength contraction, time dilation, addition of velocities, aberration and Doppler effect, mass-energy relation, simple appli-

(a) Thremodynamics: Laws of thermodynamics, reversible and irreversible processes, entropy.

Isothermal, adiabatic, isobaric, isochoric processes and entropy change. Otto and Diesel engines, Gibbs' phase rule cations to a decay process. Minkowski and chemical potential. van der Waals diagram, four dimensional momentum equation of state of a real gas, critical

equations: Euler and Runge Kutta-meth-Computer Programming: Storage of numbers in Computers, bits, bytes and words,

pfaffian differential equations; partial differential equations of the first order, solu-

Numerical methods: Solution of algebraic

methods, Gauss-Seidel(iterative) method. Newton's (Forward and backward) and Numerical integration: Simpson's onethird rule, tranpezodial rule, Gaussian quardrature formula. Numerical solution of ordinary differential

phenomena, equipartition and virial theorems. Dulong-Petit, Einstein, and Debye's theories of specific heat of solids. Maxwell Illrelations and applications. Clausius- Clapeyron equation. Adiabatic demagnetisation, Joule-Kelvin effect and liquefaction of gases. (b) Statistical Physics: Saha ionization formula. Bose-Einstein condenssation. Thermodynamic behavof an ideal Fermi gas,

tion of molecular velocities, transport

about neutron stars and pulsars. Brownian motion as a random walk, diffusion process. Concept of negative temperatures. Paper-II

Chandrasekhar limit, elementary ideas

1. Quantum Mechanics I: Wave-particle dualitiy. Schroedinger

equation and expectation values.

Uncertainty principle. Solutions of the one-dimensional Schroedinger equation free particle (Gaussian wave-packet), particle in a box, particle in a finite

Section-A

well, linear harmonic oscillator. Reflection and transmission by a potential step and by a rectangular barrier. Use of WKB formula for the life-time calcuation in the alpha-decay problem. 2. Quantum Mechanics II & Atomic Physics: (a) Quantum Mechanics II:

metals. The angular meomentum prob-

lem. The hydrogen atom. The spin half

problem and properties of Pauli spin

S coupling, J-J coupling. Spectroscopic

(b) Atomic Physics: Stern-Gerlack experiment, electron spin, fine structure of hydrogen atom. L-

matrices.

notation of atomic states. Zeeman effect. Frank-Condon principle and applications. 3. Molecular Physics: Elementary theory of rotational, vibratonal and electronic spectra of diatomic molecules. Raman effect and molecular

structure. Laser Raman spectroscopy

Importance of neutral hydrogen atom, molecular hydrogen and molecular hydrogen ion astronomy in Fluorescence and Phosphorescence. Elementary theory and applications of NMR. Elementary ideas about Lamb shift and its significance. Section-B 4. Nuclear Physics: Basic nuclear properties-size, binding

energy, angular momentum, parity,

magnetic moment. Semi-empirical

mass formula and applications. Mass parabolas. Ground state of a deuteron magnetic moment and non-central forces. Meson theory of nuclear forces. Salient features of nuclear forces. Shell model of the nucleus-success and limitations. Violation of parity in beta decay. Gamma decay and internal conversion. Elementary ideas about Mossbauer spectroscopy. Q-value of nuclear reactions. Nuclear fission and fusion, ener-

gy production in stars. Nuclear reactors.

5. Particle Physics & Solid State

(a) Particle Physics: Classification of elementary particles

Physics:

and their interactions. Conservation laws. Quark structure of hadrons. Field quanta of electroweak and strong interactions. Elementary ideas about Unification of Forces. Physics of neutri-(b) Solid State Physics: Cubic crystal structure. Band theory of

solids- conductors, insulators and semiconductors. Elements of superconductivity, Meissner effect, Josephson junctions and applications. Elementary ideas about high temperature superconductivity. 6. Electronics: Intrinsic and extrinsic semiconductors-

and oscillators. Op-amps. FET, JFET and MOSFET. Digital electronics-Boolean identities, De; Morgan's laws, Logic gates and truth tables., Simple logic circuits. Thermistors, solar cells. Fundamentals of microprocessors and digital computers. **Statistics** Paper-I Probability: Sample space and events, probability measure and probability space, random

variable as a measurable function, distribution function of a random variable,

discrete and continuous-type random variable probability mass function, probability density function, vector-valued random variable, marginal and conditional distributions, stochastic independence of events and of random variables, expectation and moments of a random variable, conditional expectation, convergence of a sequence of random variable in distribution, in probability, in p-th mean and almost everywhere, their criteria and inter-relations, Borel-Cantelli lemma, Chebyshev's and Khinchine's weak laws of large numbers, strong law of large numbers and kolmogorov's theorems, Glivenko-Cantelli theorem, probability generating function, characteristic function, inversion theorem, Laplace transform, related uniqueness and continuity theorems, determination of distribution by its Particle in a three dimensional box, density of states, free electron theory of moments. Linderberg and Levy forms of

central limit theorem, standard discrete

and continuous probability distributions,

their inter-relations and limiting cases,

simple properties of finite Markov

Consistency, unbiasedness, efficiency,

sufficiency, minimal sufficiency, com-

tribution and its properties, uniformly

pleteness, ancillary statistic, factorization theorem, exponential family of dis-

Statistical Inference:

minimum variance unbiased (UMVU) estimation Rao-Blackwell Lehmann-Scheffe theorems, Cramer-Rao inequality for single and severalparameter family of distributions, minimum variance bound estimator and its properties, modifications and extensions of Cramer-Rao inequality. Chapman-Robbins Bhattacharyya's bounds, estimation by methods of moments, maximum likelihood, least squares, minimum chisquare and modified minimum chisquare, properties of maximum likelihood and other estimators, idea of asymptotic efficiency, idea of prior and posterior distributions, Bayes estima-Non-randomised and randomised tests, critical function, MP tests, Neyman-Pearson lemma, UMP tests, monotone likelihood ratio, generalised Neyman-Pearson lemma, similar and unbiased tests, UMPU tests for single and several-parameter families of distributions, likelihood rotates and its large sample properties, chi-square goodness of fit test and its asymptotic distribution. Confidence bounds and its relation with tests, uniformly most accurate (UMA) and UMA unbiased confidence bounds. Kolmogorov's test for goodness of fit and its consistency, sign test and its optimality. wilcoxon signed-ranks test and its consistency, Kolmogorov-Smirnov two-sample test, run test, Wilcoxon-Mann-Whiltney test and

median test, their consistency and

Wald's SPRT and its properties, OC

and ASN functions, Wald's fundamental

asymptotic normality.

Analysis:

identity, sequential estimation. Linear Inference and Multivariate

Linear statistical modesl, theory of least squares and analysis of variance, Gauss-Markoff theory, normal equations, least squares estimates and their precision, test of signficance and inter-

way classified data, regression analylinear regression, curvilinear regression and orthogonal polynomials, multiple regression, multiple and partial correlations, regression diagnostics and sensitivity analysis, calibration problems, estimation of variance and covariance components, MINQUE theory, multivariate normal distributin, Mahalanobis;' D2 and Hotelling's T2 statistics and their applications and properties, discriminant analysis.

canonical

acteristics.

designs.

val estimates based on least squares

theory in one-way, two-way and three-

sis, elements of factor analysis. Sampling Theory and Design of **Experiments:** An outline of fixed-population and super-population approaches, distinctive features of finite population sampling, probability sampling designs,

correlations,

MANOVA, principal component analy-

simple random sampling with and without replacement, stratified random sampling, systematic sampling and its efficacy for structural populations, cluster sampling, two-stage and multi-stage sampling, ratio and regression, methods of estimation involving one or more auxiliary variables, two-phase sampling, probability proportional to size sampling with and without replacement, the Hansen-Hurwitz and the Horvitz-Thompson estimators, non-negative variance estimation with reference to the Horvitz-Thompson estimator, nonsampling errors, Warner's randomised

response technique for sensitive char-

Fixed effects model (two-way classifica-

tion) random and mixed effects models

(two-way classification per cell), CRD,

RBD, LSD and their analyses, incom-

plete block designs, concepts of orthog-

onality and balance, BIBD, missing plot

technique, factorial designs: 2n, 32 and

33, confounding in factorial experi-

ments, split-plot and simple lattice

PAPER-II

theory of control charts, different types

of control charts for variables and attrib-

I. Industrial Statistics Process and product control, general

utes, X, R, s, p, np and c charts, cumulative sum chart, V-mask, single, double, multiple and sequential sampling plans for attributes, OC, ASN, AOQ and ATI curves, concepts of producer's and consumer's risks, AQL, LTPD and AOQL, sampling plans for variables, use of Dodge-Romig and Military Standard tables. Concepts of reliability, maintainability and availability, reliability of series and parallel systems and other simple configurations, renewal density and renewal function, survival models (exponen-

tial), Weibull, Iognormal, Rayleigh, and

bath-tub), different types of redundancy

for exponential models.

II. Optimization Techniques: Different, types of models Operational Research, their construction and general methods of solution, simulation and Monte-Carlo methods, the structure and formulation of linear programming (LP) problem, simple LP model and its graphical solution, the

simplex procedure, the two-phase method and the M-technique with artificial variables, the duality theory of LP and its economic interpretation, sensi-

tivity analysis, transportation and assignment problems, rectangular games, two-person zero-sum games, methods of solution (graphical and algerbraic). Replacement of failing or deteriorating items, group and individual replacement policies, concept of scientific inventory management and analytical

structure of inventory problems, simple

chains, transition probability matrix, classification of states and ergodic theorems, homogeneous continous-time Markov chains, Poisson process, elements of queueing theory, M/M/1, M/M/K, G/M/1 and M/G/1 queues. Solution of statistical problems on computers using well known statistical software packages like SPSS.

tic demand with and without lead time,

storage models with particular refer-

Homogeneous discrete-time Markov

ence to dam type.

III. Quantitative Economics and Official Statistics: Determination of trend, seasonal and cyclical components, Box-Jenkins method, tests for stationery of series, ARIMA models and determination of orders of autoregressive and moving

average components, forecasting. Commonly used index numbers-Laspeyre's, Paashe's and Fisher's ideal index numbers, chain-base index number uses and limitations of index numbers, index number of wholesale prices, consumer price index number, index numbers of agricultural and industrial production, tests, for mdex numbers lve proportonality test, time-reversal test, factor-reversal test, circular test and dimensional invariance test. General linear model, ordinary least squares and generalised least squires methods of estimation, problem of multicollineaity, consequences and solutions of multicollinearity, autocorrelation

and its consequences, heteroscedasticity of disturbances and its testing, test for independence of disturbances, Zellner's seemingly unrelated regression equation model and its estimation, concept of structure and model for simultaneous equations, problem of identification-rank and order conditions of identifiability, two-stage least squares method of estimation. Present official statistical system in India relating to population, agriculture, industrial production, trade and prices, methods of collection of official statistics, their reliability and limitation and the principal publications containing such statistics, various official agencies

Demographic data from census, registration, NSS and other surveys, and their limitation and uses, definition, construction and uses of vital rates and

IV. Demography and Psychometry:

responsible for data collection and their

main functions.

ratios, measures of fertility, reproduction rates, morbidity rate, standardized death rate, complete and abridged life tables, construction of life tables from vital statistics and census returns, uses

of life tables, logistic and other popula-

tion growth curves, fitting a logistic

curve, population projection, stable population theory, uses of stable popu-

and tests, Z-scores, standard scores, T-

scores, percentile scores, intelligence

quotient and its measurement and

uses, validity of test scores and its

determination, use of factor analysis

and use of redundancy in reliability lation and quasi-stable population techimprovement, problems in life-testing, niques in estimation of demographic censored and truncated experiments parameters, morbidity and its measurement, standard classification by cause of death, health surveys and use of hospital statistics. Methods of standardisation of scales

> and path analysis in psychometry. **ZOOLOGY** PAPER-1 Section-A

1. Non-chordata and chordata:

Classfication and relationship of varous phyla upto sub-classes;

- Acoelomata and Coelomata; Protostomes and Deuterostomes, Bilateralia and Radiata; Status of
- Protista, Parazoa, Onychophora and Hemichordata; Symmetry. Protozoa: Locomotion, nutrition,
 - reproduction; evolution of sex;

Employment News 16-22 March 2013 52 www.employmentnews.gov.in General features and life history of and their interrelationships. tion, regression, distribution and drates, fats, lipids, proteins, Monocystis, Paramaecium. Comparative functional anatomy measure of central tendency, chi (q) amino acids, nucleic acids; satu-Plasmodium, and Leishmania. of various systems of vertebrates square, student t-test, F-test (onerated and unsaturated fatty acids, (c) Porifera : Skeleton, canal system (integument and its derivatives, cholesterol way & two-way F-test). and reproduction. endoskeleton, locomotory organs, V. Instrumental methods: Glycolysis and Krebs cycle, oxi-(d) Coelenterata: Polymorphism, digestive system, respiratory sys-Spectrophotometry, flame phodation and reduction, oxidative defensive structures and their tem, circulatory system including tometry, Geiger-Muller counter, phosphorylation; energy consermechanism; coral reefs and their heart and aortic arches; urinogenscintillation counting. vation and release. ATP. cvclic formation; metagenesis; general ital system, brain and sense (b) Electron microscopy (TEM, SEM). AMP-its structure and role. features and life history of Obelia organs (eye and ear). PAPER-II Hormone classification (steroid and Aurelia. Section-A Section- B and peptide hormones), biosyn-1. Ecology: (e) Platyhelminthes: Parasitic adap-I. Cell Biology: thesis and function. tation; general features and life Structure and function of cell and Biosphere: Biogeochemical Enzymes: types and mechahistory of Fasciola and Taenia and cycles, green-houses effect, its organelles(nucleus, plasma nisms of action; immunoglobulin their relation to man. ozone layer and its impact; ecomembrane, mitochondria, Golgi and immunity; vitamins and co-Nemathelminthes: General fea-(f) bodies, endoplasmic reticulum, logical succession, biomes and enzymes. tures, life history and parasitic ribosomes and lysosomes), cell ecotones. (e) Bioenergetics. adaptation of Ascaris; nemath-Population, characteristics, popudivision (mitosis and meiosis), II Physiology (with special reference elminths in relation to man. lation dynamics, population stabimitotic spindle and mitotic apparato mammals) (g) Annelida Coelom lization. tus, chromosome movement. Composition and constituents of metamerism; modes of life in poly-Conservation Watson-Crick model of DNA, repliof natural (b) blood; blood groups and Rh factor chaetes; general features and life cation of DNA, protein synthesis, resources- mineral mining, fishin man; coagulation, factors and history of nereis (Neanthes), transcription and transcription faceries, aquaculture; forestry; grassmechanism of coagulation; acidearthworm (Pheretima) and leach land; wildlife (Project Tiger); sustors. base balance, thermo regulation. (Hirudinaria). II. Genetics tainable production in agriculture-Oxygen and carbon dioxide Arthropoda: Larval forms and parintegrated pest management. Gene structure and functions; transport; haemoglobin : conasitism in Crustacea; vision and (d) Environmental biodegradation; genetic code. stituents and role in regulation. respiration in arthropods (prawn, pollution and its impact on bios-(b) Sex chromosomes and sex deter-(c) Nutritive requirements; role of cockroach and scorpion); modifiphere and its prevention. mination in Drosophilla, nemasalivary glands, liver, pancreas cation of mouth parts in insects II. Ethology: todes and man. and intestinal glands in digestion (cockroach, mosquito, housefly, Behaviour : Sensory filtering, Mendel's laws of inheritance, and absorption. honey bee and butterfly); metamorrecombination, linkage, linkageresponsiveness, sign stimuli, Excretory products; nephron and phosis in insects and its hormonal (d) learning, instinct, habituation, conmaps, multiple alleles, cistron regulation of urine formation; regulation; social organization in ditioning, imprinting. concept; genetics of blood groups. osmoregulation. insects (termites and honey bees). Role of hormones in drive; role of Mutations and mutagenesis: radi-Types of muscles, mechanism of (i) Mollusca: Feeding, respiration, ation and chemical. pheromones in alarm spreading; contraction of skeletal muscles. locomotion, shell diversiy; general crypsis, predator detection, preda-Cloning technology, plasmids and Neuron, nerve impulse-its confeatures and life history of (f) tor tactics, social behaviour in cosmids as vectors, transgenics, Lamellidens, Pila and Sepia, torduction and synaptic transmisinsects and primates; courtship transposons, DNA sequence sion and detorsion in gastropods. sion; neurotransmitters. (Drosophila, 3-spine stickleback cloning and whole animal cloning Echinodermata: Feeding, respira-(j) and birds). (Principles and methodology). (g) Vision, hearing and olfaction in man. tion, locomotion larval forms; gen-Orientation, navigation, homing; (f) Regulation and gene expression (h) Mechanism of hormone action. (c) eral features and life history of biological rhythms: biological Physiology of reproduction, role in pro-and eukaryotes. Signal transduction; pedigree-Asterias. clock, tidal, seasonal and circadiof hormones and phermones. (g) Protochordata: Origin of chor-(k) an rhythms. analysis; congenital diseases in III. Developmental Biology dates; general features and life Differentiation from gamete to (d) Methods of studying animal history of Branchiostoma and Human genome mapping; DNA neurula stage; dedifferentiation; behaviour. (h) Herdamania. III. Economic Zoology: finger-printing. metaplasia, induction, morpho-(I) Pisces: Scales, respiration, loco-Apiculture, sericulture, lac culture, III. Evolution genesis and morphogen; fate motion, migration. carp culture, pearl culture, prawn (a) Origin of life maps of gastrulae in frog and Amphibia: Origin of tetrapods; (m) culture. (b) Natural selection, role of mutation chick; organogenesis of eye and parental care, paedomorphosis. Major infectious and communicain evolution, mimicry, variation, heart, placenation in mammals. Reptilia: Origin of reptiles; skull (n) ble diseases (small pox, plague, isolation, speciation. Role of cytoplasm in and genetic types; status of Sphenodon and malaria, tuberculosis, cholera and (c) Fossils and fossilization; evolution control of development; cell linecrocidiles. AIDS) their vectors, pathogens of horse, elephant and man. age; causation of metamorphosis Aves: Origin of birds; flight adapand prevention. (o) Hardy-Weinberg Law, causes of in frog and insects; paedogenetation, migration. Cattle and livestock diseases, change in gene frequency. sia and neoteny; growth, Mammalia: Origin of mammals; (p) their pathogens (helminthes) and Continental drift and distribution of degrowth and cell death; ageing; dentition; general features of eggvectors (ticks, mites, Tabanus, animals. blastogenesis; regeneration; terlaying mammals, pouched-mam-Stomoxys) IV. Systematics atogenesis; neoplasia. mals, aquatic mammals and pri-Pests of sugar cane (Pyrilla per-Zoological nomenclature; interna-Invasiveness of placenta; in vitro mates; endocrine glands and pusiella), oil seed (Achaea janata) tional code; cladistics. fertilization; embryo transfer, other hormone producing strucand rice (Sitophilus oryzae). Section-B cloning. tures (pituitary, thyroid, parathy-IV. Biostatistics: Designing of experi-I. Biochemistry roid, adrenal, pancreas, gonads) Baer's law; evo-devo concept. ments; null hypothesis; correla-Structure and role of carbohy-

Salient features of the system of Online Application Form are given hereunder : Detailed instructions for filling up Online applications are available on

the above mentioned website. Candidates will be required to complete the Online Application Form containing two stages viz. Part-I and Part-II as per the instructions available in the above mentioned site through drop down menus. The candidates are required to pay a fee of Rs.100/-

www.upsconline.nic.in.

Candidates are required to apply Online using the website •

- Hundred only) [excepting SC/ST/ Female/Physically Handicapped candidates who are exempted from payment of fee] either
 - the money in any branch of SBI by cash, or by using of Bikaner & net banking facility of State Bank of India/State Bank Jaipur/State Bank of Hyderabad/State Bank of Mysore/ State Bank of Patiala/State Bank of Travancore or by using any Visa/Master Credit/ Debit Card. Before start filling up of Online Application, a candidate must have
- applications then he/she must ensure that the applications with higher RID is complete in all respects.

APPENDIX - II INSTRUCTIONS TO THE CANDIDATES FOR FILLING ONLINE APPLICATIONS

- Applicants should avoid submitting multiple applications. However, if
- due to any unavoidable circumstances, any applicant submits multiple
- In case of multiple applications, the applications with higher RID shall be entertained by the Commission and fee paid against one RID shall not be adjusted against any other RID.
 - are providing their valid and active E-Mail IDs as the Commission may use electronic mode of communication while contacting them at different stages of examination process. The applicants are advised to check their emails at regular intervals and

The Online applications(Part I and II) can be filled from 5th March, 2013 to 4th April, 2013 till 11.59 p.m., after which link will be disabled.

The applicants must ensure that while filling their Application Form, they

ensure that the email address ending with @ nic.in are directed to their

inbox folder and not to the SPAM folder or any other folder. Candidates are strongly advised to apply online well in time his/her photograph and signature duly scanned in the jpg format in such a manner that each file should not exceed 40 KB and must not be without waiting for the last date for submission of Online less than 3 KB in size for the photograph and 1 KB for the signature. Applications.

APPENDIX-III

Special Instructions to Candidates for objective type tests

Articles permitted inside Examination Hall

Clip board or hard board (on which nothing is written), a good quality black ball pen for making responses on the Answer Sheet. Answer Sheet and sheet for rough work will be supplied by the Invigilator. **Articles not permitted inside Examination Hall**

Do not bring into the Examination Hall any article other than those spec-

ified above, e.g., books, notes, loose sheets, electronic or any other type of calculators, mathematical and drawing instruments, Log Tables, stencils of maps, slide rules, Test Booklets and rough sheets pertaining to earlier session(s), etc. Mobiles phones, pagers or any other communication devices are

not allowed inside the premises where the examination is being conducted. Any infringement of these instructions shall entail disciplinary action including ban from future examinations. Candidates are advised in their own interest not to bring any of the

banned items including mobile phones/pagers to the venue of the examination, as arrangements for safekeeping cannot be assured. Candidates are advised not to bring any valuable/costly items to the Examination Halls, as safe keeping of the same cannot be assured. Commission will not be responsible for any loss in this regard.

THERE WILL BE PENALTY (NEGATIVE MARKING) FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS. There are four alternatives for the answer to every question. For each

question for which a wrong answer has been given by the candidate, one third (0.33) of the marks assigned to that question will be deducted as penalty. If a candidate gives more than one answer, it will be treated as a wrong (ii) answer even if one of the given answers happens to be correct and there

will be same penalty as above for that question. If a question is left blank i.e. no answer is given by the candidate, there

will be **no penalty** for that question. Unfair means strictly prohibited

No candidate shall copy from the papers of any other candidate nor permit his papers to be copied nor give nor attempt to give nor obtain nor attempt to obtain irregular assistance of any description. **Conduct in Examination Hall**

No candidate should misbehave in any manner or create disorderly

scene in the Examination Hall or harass the staff employed by the Commission for the conduct of the examination. Any such misconduct will be severely penalised. **Answer Sheet particulars**

(i) Write in black ball pen your Centre and subject followed by test book-

Penalty for wrong Answers

let series (in bracket), subject code and roll number at the appropriate space provided on the answer sheet at the top. Also encode your booklet series (A, B, C or D, as the case may be), subject code and roll number in the circles provided for the purpose in the answer sheet. The guidelines for writing the above particulars and for encoding the above particulars are given in Annexure. In case the booklet series is not printed on the test booklet or answer sheet is un-numbered, please report immediately to the Invigilator and get the test booklet/answer sheet

(ii) All corrections and changes in writing the roll number must be initialed by the candidates as well as by the Invigilator and countersigned by the (iii) Immediately after commencement of the examination please check

that the test booklet supplied to you does not have any unprinted or torn or missing pages or items etc. If so, get it replaced by a complete test booklet of the same series and subject. Do not write your name or anything other than the specific items of infor-

mation asked for, on the answer sheet/test booklet/sheet for rough work. Do not fold or mutilate or damage or put any extraneous marking in the Answer Sheet. Do not write anything on the reverse of the answer sheet. Since the answer sheets will be evaluated on computerised machines,

candidates should exercise due care in handling and filling up the answer sheets. They should use black ball pen only to darken the circles. For writing in boxes also, they should use black ball pen. Since the entries made by the candidates by darkening the circles will be taken into account while evaluating the answer sheets on computerised machines, they should make these entries very care-

10. Method of marking answers

fully and accurately.

In the "OBJECTIVE TYPE" of examination, you do not write the answers. For each question (hereinafter referred to as "Item") several suggested answers (hereinafter referred to as "Responses") are given. You have to choose one response to each item. The question paper will be in the Form of TEST BOOKLET. The booklet

will contain item bearing numbers 1, 2, 3 etc. Under each item, Responses marked (a), (b), (c), (d) will be given. Your task will be to choose the correct response. If you think there is more than one correct response, then choose what you consider the best response. In any case, for each item you are to select only one response. If you select more than one response, your response will be considered wrong. In the Answer Sheet, Serial Nos. from 1 to 160 are printed. Against each numbers, there are circles marked (a), (b), (c) and (d). After you have

read each item in the Test Booklet and decided which one of the given

responses is correct or the best, you have to mark your response by

completely blackening with black ball pen to indicate your response.

For example, if the correct answer to item 1 is (b), then the circle containing the letter (b) is to be completely blackened with black ball pen as shown below :-

Example : (a) ● (c) (d) **Entries in Scannable Attendance List**

various particulars in it.

Candidates are required to fill in the relevant particulars with black ball pen only against their columns in the Scannable Attendance List, as given below:-

- i) Blacken the circle [P] under the column [Present/Absent] ii) Blacken the relevant circle for Test Booklet Series
- iii) Write Test Booklet Serial No.
- (iv) Write the Answer Sheet Serial No. and also blacken the corresponding circles
- - v) Append signature in the relevant column
- Please read and abide by the instructions on the cover of Test Booklet. If any candidate indulges in disorderly or improper conduct, he will render himself liable for disciplinary action and/or imposition of a penality as the Commission may deem fit.

ANNEXURE

How to fill in the Answer Sheet of objective type tests in the Examination Hall Please follow these instructions very carefully. You may note that since the

answer sheets are to be evaluated on machine, any violation of these instructions may result in reduction of your score for which you would yourself be responsible. Before you mark your responses on the Answer Sheet, you will have to fill in

As soon as the candidate receives the Answer Sheet, he should check that it is numbered at the bottom. If it is found un-numbered he should at once get it replaced by a numbered one.

You will see from the Answer Sheet that you will have to fill in the top line, which reads thus: d**a**z fo'k;

Centre	Subject	S.Code	Rol	l Number	
If you are,	say, appearing	for the exa	amination i	in Delhi Ce	ntre for the Ge
Ahility Tost	Paners* and	vour Roll No	is 08127	6 and you	r test Rooklet s

is 'A' you should fill in thus, using black ball pen.

	<u>-0 19</u>	-0 19 -0.0.	0 1			- 0 8	1 2 1	7 6	
Centre Delhi	subject	S.Code		Roll N	lumber	. 📖			
	Mathe-								
	matics (A)								
You should v	vrite with ba	ck ball pe	n the	name (of the	centre	and	subject	in

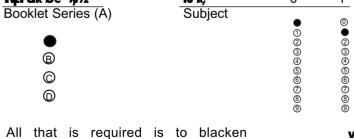
English or Hindi. The test Booklet Series is incidated by Alphabets A, B, C or D at the top right hand corner of the Booklet.

Write your Roll Numbers exactly as it is in your e-Admission Certificate with black ball pen in the boxes provided for this purpose. Do not omit any zero(s) which may be there.

The next step is to find out the appropriate subject code from the Time Table. Now encode the Test Booklet Series, Subject Code and the Roll Number in the circles provided for this purpose. Do the encoding with black ball pen. The name of the Centre need not be encoded.

Writing and encoding of Test Booklet Series is to be done after receiving the Test Booklet and confirming the Booklet Series from the same. For Mathematics * subject paper of `A' Test Booklet Series you have to encode

the subject code, which is 01. Do it thus: iÆrdkØe 141/2 fo'k;



completely the circle marked 'A' below the Booklet Series and below the subject code blacken completely the Circles for "0" (in the first vertical column) and "1" (in the second vertical column). You should then encode the Roll No. 081276. Do it thus similarly:

have carefully encoded your subject, Test Booklet series and Roll Number.

Important: Please ensure that you

*This is just illustrative and may not be relevant to your Examination.

Roll Numbers

0 0 0

1	1	
2	2	2
3	3	3
4	4	4

①

7

⑤

6

7

(8)

9

0

3 4

(5)

①

0

①

7

⑤ (5) 6

6 7 7

8 (8) 8 8 9

9 9 9 9 EN 50/100

davp 55504/14/0066/1213



STAFF SELECTION COMMISSION



Combined Graduate Level Examination, 2012 - Declaration of Final result

SSC conducted CGL (Tier-I) Examination, 2012 on 01.07.2012 and 08.07.2012. Reexamination of certain candidates was held on 4.9.2012. Based on their performance in Tier-I, candidates were called for Tier-II Examination held on 3rd & 4th September, 2012. The result of Tier-II Examination for calling candidates for Interview/Skill Test was declared subsequently. Following Lists were declared:-

List-I: Candidates qualified in Tier-II for all Interview posts (other than Statistical Investigator/Compiler) - 5742 Candidates

List-II: Candidates qualified in Tier-II for the posts of Statistical Investigator/Compiler -1443 candidates

List-III: Candidates qualified in Tier-II for all Non-Interview Posts - 19644 candidates List-IV: Candidates qualified in Tier-II for post of Tax Assistant - 27640 candidates

2. (i) Computer Proficiency Test (CPT) and Data Entry Skill Test (DEST) are of gualifying nature. CPT consists of 3 modules. Module I is the Data Entry Skill Test. Module II and III of CPT are on Spreadsheets and Power Point respectively, and each paper had 100 marks.

2. (ii) Fixation of cut-off in Module I for evaluation of CPT Module II & III

The Commission decided to fix Cutoff of upto 5% mistakes for UR and 10% mistakes for other categories in Module I (same as DEST) for qualifying candidates for evaluation of Module II & III of CPT. Category-wise number of candidates qualified for evaluation of CPT Module-II & Module III are given below:-

			_						
	SC	ST	OBC	EXS	ОН	HH	VH	UR	TOTAL
CUT-OFF	7%	15%	7%		15%	15%	15%	5%	
CANDIDATES AVAILABLE	292	119	550		23	14	5	612	1615
2. (iii) Out of 1615 candidate									
number of candidates qualifi	ed in	CPT (a	after a	pplyin	g the	cut of	f of 12	20 ma	rks (60%)
for UR and 100 marks (50%)) for re	emaini	ng cat	egorie	s on	the tot	al mai	rks in	Module II

+ III) is given below :-**CUT-OFF** 100 | 100 | 100 100 | 100 120 CANDIDATES AVAILABLE | 199 | 75 | 347 12 399 1043

3. Total 14914 candidates appeared in DEST. As per verified data sent by Regional Offices, 24 OH candidates have been exempted in DEST.

Select List for post of Tax Assistant: Commission has decided to apply cut-off of 5% for UR and 7% in mistakes for all reserved categories in DEST for post of Tax Assistant in CBDT and CBEC. Category-wise number of candidates available after applying the cut-off is given below:-

Reserve List for nost of T	αν Δε	eietan	t · Co	mmice	ion h	as de	hahin	to ann	dy cut-off
CANDIDATES AVAILABLE	1004	3645	2152	423	106	30	32	2992	7103
CUT-OFF	7%	7%	7%	7%	7%	7%	7%	5%	
	SC	ST	OBC	EXS	ОН	нн	VH	UR	TOTAL

of 10% for UR and 15% in mistakes for all reserved categories in DEST for post of Tax Assistant in CBDT and CBEC for consideration in Reserve List.

4. The description of vacancy preference codes 'G' and 'H' were corrected vide corrigendum to the notice of examination no. 3/20/2011 P&P. Some vacancies of Other departments with Rs 4600 GP were also communicated. Hence, Commission decided to club the vacancies communicated for G and H together under preference code H for allocation purpose. Further allocation of the candidates selected against post code H to various departments will be made in due course. Following vacancies have been considered under option 'H':-

(i) Vacancies of Option G

(ii) Vacancies of Option H in following Departments/organizations :-

Election Commission of India

Ministry of Parliamentary Affairs

Central Passport Organisation

Coast Guard (iv)

Directorate of Enforcement

Bureau of Police Research & Development Directorate of Forensic Sciences (MHA)

Further, since vacancies communicated by CBDT/CBEC were not state-wise but zonewise, allocation has been made as per the States falling under the respective Zones of the user department. Vacancies of states falling under a particular zone have been clubbed together and shown against one state.

There are three different merit criteria:-

Interview posts (other than Statistical Investigator) - Tier I + Tier II

(Paper I + Paper II) + Interview marks

Statistical Investigator post - Tier I + Tier II (Paper I + Paper II + paper III) + Interview marks

Non-interview posts - Tier I + Tier II (Paper I + Paper II)

There was separate cut-off in Tier I for post of Stat. Investigator/Tax Assistant. Similarly, there were separate cut-off in Tier I +Tier II marks for the post of Stat. Investigator/Tax Assistant. While allocating posts and state of posting to eligible candidates, merit-cum-preference criteria has been adopted. First the preference of post has been taken into account and then within the post, preference for states has been taken into account for allocation. If a candidate has exercised limited options for state for a post (where state wise vacancies are available) and has not been allocated as no vacancies are available or remaining in the opted states, he has been considered for his next post option and within the post for his state options and so on.

The allocation has been made sequentially for the following four lists -

List I : Interview posts (other than Statistical Investigator) - Option A to F

ii. List II: Statistical Investigator Grade II - Option Q

List III: Non-interview posts Select List - Option R to Z

List IV: Non-interview posts Reserve List - Option R to Z

While making allocation for List I, all candidates who had opted for posts in list II/III as first option were ignored. While making allocation for List II, all candidates allocated in list I were not considered and all candidates who had given higher preference to any non-interview posts under List III than option in List II were ignored. While making allocation for List III, candidates already selected in List I and II were not considered. The candidates who did not attend document verification were not considered for List III. While making allocation for List IV i.e. Reserve List for non-interview posts, following candidates were considered against remaining vacancies with their preferences replaced with preferences in default order i.e. Post preference - "RSTUVWXYZ" and State preference - "ABCDEFGHIJKLMNOPQRSTUVWXYZ\$#" :-

Candidates who were not allocated in Select List.

(ii) Candidates who did not appear for document verification as per the information sent by Regional Offices

(iii) Considered as qualified in DEST at relaxed cut-off of 10% for UR and

15% for Other categories

No vacancies were reported for the posts of Auditor in CGA and others i.e. option T and Compiler i.e. option Z.

6. Category-wise break-up of the candidates for different posts selected against the vacancies reported by the User departments and highest and lowest marks secured by candidates selected against each post/ state is as below (For the posts where state allocations have been made, rows corresponding to post/ state/ category with nil reported vacancies have not been included in the tables). For consideration against the interview posts (Post preference A to Q) a cut off of minimum 25 marks for UR and 20 marks for other categories in interview has been applied by the Commission. In Select List of non-interview posts, candidates who did not appear for document verification have not been considered.-

List-I (Option A to P) -Select List for All Interview posts (Except Statistical Investigator)

<u>=:01: \0 pt:01:71 to : ;</u>									Jg,
Category	SC	ST	ExS	ОН	НН	OBC	VH	UR	Total
VACANCIES	708	362	53	69	56	1277	22	2561	4908
CANDIDATES RECOMMENDED	647	322	46	58	36	1208	6	2001	4178
UNFILLED VACANCIES	61	40	7	11	20	69	16	560	730

Post wise, state wise and category wise details of Vacancies, selected candidates in

						selected candi-
date agains	t each post p	oreference/	state / cat	egory is	s as following (Rows pertaining
						where state allo-
	not been mad					1121 (84.1
•	state_code	category	Vacancy		Lowest Marks	Highest Marks
A	-	1	112	109	314.5	397.5
A	-	2	56	26	309.25	402.25
Α	-	4	8	8	318.25	419.75
Α	-	5	7	2	242.5	348.25
Α	-	6	201	146	345.5	427
Α	-	7	7	2	324	338.75
A	-	9	375	212	382.25	490.25
В	-	6	1	1	510.5	510.5
С	-	1	12	12	378	412.5
С	-	2	6	6	366.25	417.25
С	-	6	17	17	418.5	450
С	-	9	23	23	453	500.25
D	-	1	6	6	396.5	473.75
D	-	2	2	2	363.5	388.25
D	-	6	14	14	414.75	439.75
D	-	9	21	21	447.25	522.5
E	-	1	7	7	383.25	397
E	-	2	4	4	377.25	388.5
E	-	4	1	1	433	433
E	-	5	1	1	306	306
E	-	6	22	22	416.25	449.25
E	-	7	1	1	358.75	358.75
E	-	9	18	18	457.25	510
F	-	1	7	7	375	382.75
F	-	2	4	4	354	360.5
F	-	6	8	8	412.75	425.5
F	-	9	24	24	444	455.25
Н	-	1	7	7	373	393.25
Н	-	2	6	6	349.25	360.25
Н	-	4	1	1	418.5	418.5
Н	-	5	1	1	303	303
Н	-	6	31	31	402.5	429.25
Н	-	9	53	53	429.75	450.25
I	\$	1	2	2	431.75	437
I	\$	2	1	1	379.5	379.5
I	\$	3	2	2	398	405.75
I	\$	4	1	1	390.75	390.75
I	\$	6	2	2	442.5	459.75
I	\$	9	12	12	456	468.5
I	A	1	1	1	413	413
Ī	A	2	2	2	377.75	383
I	A	6	2	2	456.25	466.75
ı	A	9	3	3	467	469.25
ī	С	9	5	5	450	454.75
Ī	D	4	1	1	423.5	423.5
i	D	6	1	1	467.25	467.25
1	D	9	4	4	470.25	482.25
ı	F	1	3	3	436.5	468.75
ı	F	2	2	2	427.5	443.5
ı	F	3	3	3	425.25	447.75
1	F	4	1	1	460.75	460.75
1	F	6	18	18	449	478
1						
I	F	9	15	15	478.25	508
I	G	1	3	3	400	401
I	G	3	3	3	396.5	405.75
I	G	4	1	1	405	405
I	G	6	9	9	436.25	447

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N				1							1		311.25	346.75
N											1		257.5	257.5
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X	-											<u>'</u>		
X	-	-								1	1	1		
X	I	Χ	2			354.25	376.75		E	6	1		426.25	426.25
X	I	Χ	3	1	1	401.5	401.5	М	E		2	2	434.75	435.75
X				•						1 2	1	1 1		
						437.5	454.25		ļ.		1	1		446.25
1	I	Z	1	3	3	415.25	420.75	М	F	9		4	456.75	485
											1 2	1	427	427
									-	-		1		
	I	Z		1_		327.75	327.75				•	1	439.25	439.25
J S 2	I	Z	9		9	469.75	513.5	М	I	1	•	1	381	381
J S 4 6 6 333 341 5 M J 6 1 1 424.75 424.75 J S 6 125 125 386.25 423 M K 1 1 1 366.5 366.5 J S 7 9 0 M K 1 1 1 366.5 366.5 J S 9 92 92 410 450.5 M K 1 1 1 366.5 366.5 J A 1 26 26 341.75 399.75 M K 6 1 1 424.25 439.75 J A 2 5 5 345.25 380.25 M K 9 2 2 437.5 439.75 J A 4 2 1 331.5 331.5 M L 9 2 2 437.5 439.75 J A 4 2 1 331.5 331.5 M M K 9 2 2 433.25 439.75 J A 6 48 48 383 422.25 M M M 6 1 1 424.5 424.5 J A 9 44 44 404 441.5 M M M 6 1 1 424.5 424.5 J F 2 2 2 2 371 400 M M M 9 2 2 438.45 436.5 J F 2 2 2 2 371 400 M N N 2 1 1 378.75 378.75 J F 6 8 8 442 458.75 M N 0 6 2 2 426.5 436.75 J F 6 8 8 442 458.75 M O 6 2 2 426.5 436.75 J G 1 87 87 346.76 399.25 M O 6 2 2 426.5 436.75 J G 4 9 9 330.25 390.5 M O 6 2 2 426.5 436.75 J G 6 108 108 392.5 428.75 M O 6 1 1 435.25 435.75 J G 6 108 108 392.5 428.75 M O 6 1 1 435.25 435.75 J G 6 108 108 392.5 428.75 M O 6 1 1 435.25 435.75 J M 2 25 25 346.5 386.5 M X 6 2 2 448.5 346.5 J M 4 4 4 4 4 4 4 4 4									<u> </u>		•			
J S									J			1		
J S	J	\$	5	10	10	239.5	281.75	М	J		•	3	432.5	439.75
J										1	1	1		
J														
J	J	A	1	26	26	341.75	395.75	М	L	6	1	1	418.5	418.5
J									L	9			433.25	439.75
J										6	ļ ·	<u> </u>		
J	J	Α	6	48	48	383	423.25	М	M	9	2		434.5	436
J F			9	44	44	404	441.5	М	N			1	378.75	378.75
J F			•								1	1		
J	J	F			1	386.25	386.25			1	<u> </u>		372	377
J	J	F	6	8	8	442	458.75	М	0		2	2	426.5	436.75
J										9	1	3		
J G 4 9 9 330.25 390.5 J G 5 9 9 230.75 290 J G 6 108 108 392.5 428.75 J G 9 382 382 407.5 460.75 M T 6 1 1 431.5 431.5 J L 6 111 11 381.75 390.5 M T 9 1 1 435.25 435.25 J L 6 11 11 381.75 390.5 M T 9 1 1 432.2 432.2 J L 9 31 31 379.5 429 M V 9 1 1 435.75 455.75 J M 1 44 44 433.57 366.5 M X 1 1 1 455.75 455.75 J										2	1	1		359.5
J	J	G	4	9	9	330.25	390.5	М	Q	6	1	1	417.25	417.25
J						230.75			Q		<u> </u>	1		
Description of the color of t									<u>'</u>		1	1		
N	J	L	6	11	11		390.5	М	1~	6	1	1	432	432
N	J	L	7	1	0	-	-	М	-		2	2	456.5	463.25
N	J	M							ļ ·	9 1	1	1		
J M 5 4 1 283.5 283.5 M X 9 4 4 432.25 436.75 J M 6 82 82 379.75 405.25 M Y 1 1 1 380.5 380.5 J N 1 57 57 344 396.5 M Y 6 1 1 443.75 443.75 J N 2 25 25 346.5 361.75 M Y 9 2 2 2 443.75 443.75 J N 2 25 25 346.5 361.75 M Y 9 2 2 2 443.75 443.75 J N 4 6 6 307.25 328.75 N 0 1 10 10 360.75 485.5 J N 9 175 175 405.25 456.25 N	J	М	2			341.5	348.5		X	6		2	418.5	420.25
M	J	М	5	4	1	283.5	283.5	М	Х		4		432.25	436.75
J N 1 57 57 344 396.5 J N 2 25 25 346.5 361.75 J N 4 6 6 307.25 328.75 J N 5 4 4 258.75 309.25 J N 6 101 101 388 414.75 J N 9 175 175 405.25 456.25 J N 9 175 175 405.25 456.25 J O 1 6 6 364.25 385 J O 1 6 6 364.25 385 J O 5 2 2 334.25 334.75 J O 6 9 9 415 418 J O 7 2 2 313.25 326.5 J O 9 16 16										1	•	1 1		
J N 2 25 25 346.5 361.75 M Z 9 1 1 485.5 485.5 J N 4 6 6 307.25 328.75 N 0 1 10 10 360.75 458 J N 5 4 4 258.75 309.25 N 0 1 10 10 360.75 458 J N 6 101 101 388 414.75 N 0 2 2 2 348.25 366.25 J N 9 175 175 405.25 456.25 N 0 9 21 21 421.25 469.25 J O 1 6 6 364.25 385 0 \$ 1 5 5 338.5 369.5 J O 5 2 2 334.25 334.75 0 \$ 6											1 -	2		
J N 4 6 6 307.25 328.75 N 0 1 10 10 360.75 458 J N 5 4 4 258.75 309.25 N 0 1 10 10 360.75 458 J N 6 101 101 388 414.75 N 0 2 2 2 348.25 366.25 J N 9 175 175 405.25 456.25 N 0 9 21 21 429.5 469.25 J O 1 6 6 364.25 385 O \$ 1 5 5 338.5 369.5 J O 5 2 2 334.25 334.75 O \$ 6 3 3 396.25 399.5 J O 7 2 2 313.25 326.5 O A 1						346.5	361.75					1	485.5	485.5
J N 6 101 101 388 414.75 J N 9 175 175 405.25 456.25 J O 1 6 6 364.25 385 J O 2 8 8 351 362.25 J O 5 2 2 334.25 334.75 J O 6 9 9 415 418 J O 7 2 2 313.25 326.5 J Q 9 16 16 430 449.25 J Q 1 5 5 346.5 368 J Q 1 5 5 346.5 368 J Q 2 7 7 344.25 361 J Q 5 1 1 306.5 306.5 J Q 6 11 1 341.7	J	N	4	6	6	307.25	328.75	N	0	1			360.75	458
J N 9 175 175 405.25 456.25 J O 1 6 6 364.25 385 J O 2 8 8 351 362.25 J O 5 2 2 334.25 334.75 O \$ 2 1 1 337 337 J O 6 9 9 415 418 O \$ 6 3 3 396.25 399.5 J O 7 2 2 313.25 326.5 O A 1 2 2 339.5 366.5 J Q 1 5 5 346.5 368 O A 2 1 1 336.25 336.5 J Q 2 7 7 344.25 361 O A 9 6 6 389 405 J Q 6				•					1.		1			
J O 1 6 6 364.25 385 J O 2 8 8 351 362.25 J O 5 2 2 334.25 334.75 J O 6 9 9 415 418 J O 7 2 2 313.25 326.5 J O 9 16 16 430 449.25 J Q 1 5 5 346.5 368 J Q 2 7 7 344.25 361 J Q 5 1 1 306.5 306.5 J Q 6 11 11 384.75 400.25 J Q 9 23 23 403 434 J T 1 10 344 358.75				_							-			
J O 5 2 2 334.25 334.75 O \$ 6 3 3 396.25 399.5 J O 6 9 9 415 418 O \$ 9 4 4 406 445.25 J O 9 16 16 430 449.25 O A 1 2 2 339.5 366.5 J Q 1 5 5 346.5 368 O A 2 1 1 336.25 339.5 366.5 O A 1 2 2 339.5 366.5 O A 1 2 2 339.5 366.5 O A 1 2 2 339.5 366.5 O A 4 4 406 445.25 O A 4 4 381.75 386.5 O A 6 4 4 381.75 387.5 O A 9 6 6 389 405 O A 0 B	J	0	1	6	6	364.25	385	0	\$	1	5	5	338.5	369.5
J O 6 9 9 415 418 J O 7 2 2 313.25 326.5 J O 9 16 16 430 449.25 O A 1 2 2 339.5 366.5 J Q 1 5 5 346.5 368 O A Q 1 1 336.25 336.25 J Q 2 7 7 344.25 361 O A 9 6 6 389 405 J Q 5 1 1 306.5 306.5 O B 1 1 341.75 341.75 J Q 6 11 1 384.75 400.25 O B 6 1 1 341.75 402.75 J Q 9 23 23 403 434 0 B 9 1 1<											1 -			
J O 7 2 2 313.25 326.5 O A 1 2 2 339.5 366.5 J O 9 16 16 430 449.25 O A 2 1 1 336.25 336.25 J Q 1 5 5 346.5 368 O A 6 4 4 381.75 387.5 J Q 2 7 7 344.25 361 O A 9 6 6 389 405 J Q 5 1 1 306.5 306.5 O A 9 6 6 389 405 J Q 6 11 11 384.75 400.25 O B 1 1 341.75 341.75 J Q 9 23 23 403 434 O B 9 1 1 40														
J O 9 16 16 430 449.25 O A 2 1 1 336.25 336.25 J Q 1 5 5 346.5 368 O A 6 4 4 381.75 387.5 J Q 2 7 7 344.25 361 O A 9 6 6 389 405 J Q 5 1 1 306.5 306.5 O B 1 1 1 341.75 341.75 J Q 6 11 11 384.75 400.25 O B 6 1 1 382 382 J Q 9 23 23 403 434 O B 9 1 1 402.75 402.75 J T 1 10 10 344 358.75 O C 1 1 1 333.75 333.75	J	0	7	2		313.25	326.5	0		1			339.5	366.5
J Q 2 7 7 344.25 361 J Q 5 1 1 306.5 306.5 J Q 6 11 11 384.75 400.25 J Q 9 23 23 403 434 J T 1 10 10 344 358.75	J	0	9	16	16	430	449.25	0	А		1	1	336.25	336.25
J Q 5 1 1 306.5 306.5 J Q 6 11 11 384.75 400.25 J Q 9 23 23 403 434 J T 1 10 10 344 358.75 O B 1 1 1 341.75 341.75 O B 6 1 1 382 382 O B 9 1 1 402.75 402.75 O C 1 1 1 333.75 333.75								_						
J Q 6 11 11 384.75 400.25 J Q 9 23 23 403 434 J T 1 10 10 344 358.75 O B 6 1 1 382 382 O B 9 1 1 402.75 402.75 O C 1 1 1 333.75 333.75			_	-										
J Q 9 23 23 403 434 J T 1 10 10 344 358.75 O B 9 1 1 402.75 402.75 O C 1 1 1 333.75 333.75	J	Q	6	11	11	384.75	400.25	0	В	6	ļ ·	ļ -	382	382
	J		9	23	23	403	434		В	9		1	402.75	402.75
$\begin{bmatrix} 1 & 1 & 1 & 301.0 & 382.5 \end{bmatrix}$		T								6	<u> </u>			
	<u> </u>	· 			- 1	JU 1.U	U 11.∠U		<u> </u>		<u> </u>	<u>'</u>	302.0	302.0

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О	С	9	2	1	404.5	404.5	Post wise,	state wise a	nd category	wise deta	ils of Va	cancies, select	ed candidates in
0	D	2	1	1	338.75	338.75	List II alon	g with Highe	st and Lowe	est Marks s	secured	by first and last	t selected candi-
0	D D	9	3	3	401 415.5	401		ist each state acancies are			wing (I	Rows pertaining	to posts with 0
0	F	2	1	1	343.25	343.25		e state_code		Vacancy	Filled	Lowest Marks	Highest Marks
0	F	9	1	1	428.5	428.5	Q	#	1	1	1	308	308
0	G G	2	1	1	342.25 340.75	342.25 340.75	Q Q	#	9	3	0	364	364
0	G	6	2	2	394.25	395.25	Q	\$	1	3	3	361.25	429
0	G	9	4	4	410.75	414.5	Q	\$	2	2	2	330.25	335.25
0	H	2	1	1	339 339.75	339 339.75	Q Q	\$ \$	9	5 8	5 8	379.75 431.25	390.5 522.75
0	H	6	2	2	380.75	383.75	Q	A	1	11	1	359	359
0	H	9	1	1	412.5 342.25	412.5 342.25	Q	A	2	5	2	301.5	306.25
0	l l	9	1	1	417	417	Q Q	A	9	19 35	18 13	343.5 379.25	450.5 452.75
0	J	6	1	1	388.5	388.5	Q	С	1	2	1	328	328
0	L	2	1	1	335.75 332.25	335.75 332.25	Q	С	2	1	1	344.5	344.5
0	L	9	2	0	-	-	Q Q	С	9	5	2	375.25 378.75	386.25 423.25
0	M	1	1	1	335	335	Q	D	1	3	3	320.25	332.5
0	M	6	3	3	335.5 381.75	335.5 390.75	Q	D	2	2	0	-	-
0	M	9	5	5	396.5	415.75	Q Q	D D	9	5 10	5 10	392.75 400.25	399.75 428.5
0	0	6	1	1	356.75 400	356.75 400	Q	Е	1	2	1	306.75	306.75
0	0	9	4	4	416	422.75	Q	E	2	1	1	324.5	324.5
0	T	6	2	2	383.5	384.75	Q Q	E	9	8	1	365.75 379.5	386.25 379.5
0	T U	9	3	3	405.75 347.75	408.5 362.25	Q	F	1	10	10	346.75	388.75
0	U	6	1	1	396.5	396.5	Q	F	2	5	5	332.5	361.25
0	U	9	5	5	417.75	444.5	Q Q	F	9	19 36	19 36	378.5 412.75	400
0	Z Z	6	2	2	376.75 401.25	376.75 412.25	Q	G	1	8	8	324	339.25
0	Z	9	5	5	422	459.25	Q	G	2	4	4	319.5	324.5
Р	N	1	8	8	339.5	352	Q Q	G G	6	14 24	14 24	362.75 376.75	376 422.75
P P	N N	3	6 8	6	328.5 362.5	343.75 362.5	Q	Н	6	1	1	383.25	383.25
P	N	4	3	3	324.5	350	Q	Н	9	2	2	405	405.75
Р	N	6	23	23	382.25	413.75	Q Q	1	6	1	1	340 373.75	340 373.75
P P	N U	9	38	38	404.75 354.25	432.25 382.25	Q	1	9	3	3	407.5	412
P .	U	2	4	4	342.25	347	Q	J	1	6	3	308	326.75
Р	U	3	3	3	388.25	400.25	Q	J	2	3	1	292.5	292.5
P P	U	9	26	26	413.25 418.75	420.75 457	Q Q	J	9	20	7 5	341.5 386.5	364.75 395
Note : Ex	planation of	•	-		1410.70	401	Q	K	1	1	1	341	341
	tant in CSS i in CPT is ma	ndatory for	r Option A. I	No exem	notion in CPT ha	as been granted.	Q	K	6	3	3	390.75	392.25
B : Assis	tant in CVC	-	·			g	Q Q	K	9	6	6	391.5	414
D: Assist	tant in Intelliç ant in Ministr	ry of Railw	/ays				Q	L	2	1	0	_	-
	ant in Min. of ant (Cypher) i			ffairs			Q	L	6	4	4	351	395.25
G: Assist	ant in Ministr	ry of Defei	nce		inntinun innlu	1: AFUO	Q Q	M	9	9	7	378.5	444.5
	vacancies hav	ve been co	onsidered u		isations includion 'H':-	ing AFHQ	Q	M	2	4	2	313	314.25
(i) (ii)	Vacancies of Vacancies of	of Option (of Option I	G H in followir	ng Depai	tments/organiz	ations :-	Q	M	6	14	14	342.75	387.5
(,	(i) I	Election Co	ommission o	of India	_		Q Q	M N	9	24 12	10	387 302	387 330.75
	(iii)	Central Pa	· Parliamen assport Org	anisatio	nrs N		Q	N	2	6	1	313.5	313.5
	(iv)	Coast Gu	ard e of Enforce				Q	N	6	22	22	352.25	377.25
	(ví)	Bureau of	Police Re	search 8	Development		Q Q	N O	9	40 9	14 9	370 314.25	408.75 370.25
I: Inspect	tor of Income	Tax			nces (MHA)		Q	0	2	5	5	295.25	316.5
						user department, under one single	Q	0	6	16	16	369.5	391
State Cod	le as under :-						Q Q	Q	9	30	24	370 405	412
S. No.	State Code B, Q, P, R,		State o	oae und	ler which consi	uered	Q	S	6	1	1	373.25	373.25
2	K, D	., .,, •	D				Q	S	9	2	0	-	-
3 4	E, O H, M		O M				Q Q	T	2	1	2	340.5 319.25	351 319.25
5	I, V		V				Q	T	6	3	3	368	377.5
6	J, U Y, Z		U Z		<u>—</u>		Q	T	9	5	5	391.25	419.75
8	Ψ, Σ #, \$		\$				Q Q	U	2	2	3	337.5 317.25	343
1 -	ctor (Central	•	1				Q	U	6	6	6	372.75	386.25
For Option	n J, as the vac	ancies wer	re communi	cated zo	ne wise by the	user department, inder one single	Q	U	9	11	11	412.25	475.5
State Cod	le as under :-						Q Q	V	2	3	3	339.5 349	379.25 351.5
S. No.	State Code E, O	•	State o	code uno	der which consi	dered	Q	V	6	5	5	372.25	467
2	B, C, P, R,	S, W, Q	Q				Q	V	9	10	10	408	489.5
3 4	U, J, F		F \$				Q Q	W X	9	1 12	0	304.5	304.5
K: Inspec	#, \$ ctor (Preventi		, ,				Q	Х	2	6	1	328.25	328.25
L: Inspec	tor (Examine	er)	•				Q	Χ	6	22	0	-	-
N: Sub In	spector, CBI		5 1				Q Q	X	9	40	1	390.5 337.5	390.5 337.5
O: Inspec	ctor of Posts onal Accounta	ant, CAG					Q	Y	6	2	2	380.5	402.5
List-II (O	ption Q) (Sele	ect List for			istical Investiga		Q	Y	9	3	3	412.75	446
Category VACANC			SC 105			otal 00	Q Q	Z	2	5	5	341.5 313.5	355 313.5
CANDID	ATES RECOM		67	31	162 203 4	.63	Q	Z	6	9	9	385.25	396.5
UNFILLE	D VACANCIE	S	38	22 2	27 150 2	37	Q	Z	9	16	16	422	488.75
			1		1 1		+	<u> </u>	+		•		

Employme	ent News 16	6- 22 Marcl	h 2013		WV	ww.employmen	tnews.gov.i	in					57
	ion R to Z) (S					- have not been	R	L	1	23	23	258	266.75
considered		s wno ala n	ot appear to	or doct	iment verilicatio	n have not been	R R	L	3	11 15	11 15	255 239.75	264.75 288.25
Category	-0				OH HH OBC V		R	L	4	2	2	251.75	253
VACANCIE CANDIDAT	ES RECOM				181 141 3197 3 161 77 2827 2		R R	L	5 6	3 40	40	143 302	143 317.5
	VACANCIES		704 507			2 3170 4751	R	L	9	76	76	320.75	345.75
List II along	with Highes	t and Lowe	st Marks se	ecured	by first and last	ed candidates in selected candi-	R R	M	2	30 15	30 15	261.25 255.5	275.75 265
	st each state cancies are r			ving (Rows pertaining	to posts with 0	R	М	3	20	20	232.75	299.5
	state_code			Filled		Highest Marks	R R	M	4 5	3	3	252.75 123.5	259.75 132.75
R R	\$	2		54 27	265 256.25	316.75 287.5		M	6	54	54	303.5	313.25
R	\$	3	36	36	253	328	R	M	9	101	101	323.25	344.25
R	\$	4	5	5	259	273.25	R R	N N	2	60 30	60 30	267.75 266	326.75 280.25
R R	\$	5 6		5 99	124.75 308.75	156.75 331.5	R	N	3	40	40	230.75	288.25
R	\$	9		180	326.5	380	R R	N N	5	6	3	258 135	269.75 160.75
R R	A	2		38 19	261 255.75	362.5 273.75	R	N	6	108	108	306	325
R	A	3		25	236	318.75	R R	N O	9	202 33	202 33	327.25 270.75	348.25 292.75
R R	A	5	3	<u>4</u> 3	255.75 141.5	273.5 171	R	0	2	16	16	270.25	280
R	Α	6	68	68	304	343.75	R R	0	3	22 3	3	240.5 258	277.75 262
R R	В	9		125 6	323 269	347.75 275	R	0	5	3	3	132.25	184.75
R	В	2	3	3	265.5	270.75	R R	0	6	61 115	61 115	312 333	368.75 364.75
R R	В	3	4	4 1	226 253.75	230.25 253.75	R	P	1	4	4	269.25	284.5
R	В	6	11	11	303.25	307	R	P P	2	2	2	281	281
R	В	9	20 19	20 19	321.5 259.5	332.25 275	R R	P	5	1	1	225.75 166.25	226.75 166.25
R R	C	2	9	9	268.75	280.75	R	P	6	6	6	302.25	342.75
R	С	3	12	12	225.75	245.25	R R	P R	9	13	13	319.75 260	347 269.5
R R	C	5	2	0	253.5	254.5	R	R	2	2	2	268	273.5
R	С	6	34	34	301.75	311.25	R R	R R	3	2	2	231.5	268.5
R R	C D	9		63 38	318.5 263.75	337.75 288.5	R	R	6	6	6	301.75	315.75
R	D	2	19	19	254.25	276.25	R R	R S	9	13 3	13 3	318.5 257.75	334.5 262
R R	D D	3		25 4	258.5 268	310.75 314	R	S	2	2	2	281	281.75
R	D	5	3	3	165	184	R	S	3	2	2	225.5	225.75
R	D	6		67	318.25	352.25	R R	S S	5 6	5	5	140 301.5	140 304.25
R R	D E	9		126 15	334 263	386.75 278.75	R	S	9	10	10	318.25	321.5
R	E	2		7	259.25	269.25	R R	T	2	26 13	26 13	258.75 252.25	264.5 256
R R	E E	3	10	10 2	235.25 256.75	267.75 258.25	R	T	3	17	17	245.75	296.5
R	E	5	1	1	131	131	R R	T	5	3	3	251 140.5	255.25 177.5
R R	E	9		27 51	308.25 325.75	318.5 339.25	R	T	6	46	46	306.75	320.75
R	F	1	22	22	293	324.5	R R	T U	9	85 26	85 26	320.75 281	351.25 292.5
R R	F	3		11 15	280.25 289.75	291 309.5	R	U	2	13	13	273.75	283.75
R	F	4	3	3	271.5	324.25	R	U	3	17	17	264.25	303.25
R R	F	5 6		2 40	140.75 327.75	147.75 359.5	R R	U	5	2	3 1	266 123	280 123
R	F	9	77	77	351.25	424	R	U	6	47	47	317.25	343
R R	G G	1		37 19	272 274.25	299.25 280.25	R R	V	9	89 22	89 22	345.25 279	389.5 299
R	G	3		25	244.5	323.25	R	V	2	11	11	283.75	318.25
R	G	4		4	262.25 123.5	263.5 128.25	R R	V	3	15 2	15 2	257 271.5	290 291.5
R R	G G	5 6		2 68	311.75	341.75	R	V	5	3	3	135	163
R	G	9	126	126	334.5	349	R	V	6	40 77	40	318 342	341.5
R R	H	2		1	277 269	277 269	R R	W	9	5	77 5	258.75	381.75 263
R	Н	3	1	1	283	283	R	W	2	3	3	262.5	264.75
R R	H	9	-	3 5	319.5 340.25	319.75 347.25		W	3 5	3	3 0	225.25	231.25
R	I	1	11	11	277	280.5	R	W	6	7	7	301.5	306.75
R R	1	3		6 8	269.25 253.5	271.75 283.25	R R	W X	9	15 30	15 30	318 257.25	327.75 271.5
R	i I	4	2	2	262	264.5	R	X	2	15	15	252.25	262.75
R	I	5	1	1	134.5	134.5	R	X	3	20	20	228	285.25
R R		9	-	20 38	314.25 341	317.25 348.75	R R	X	5	3	2	252.75 128.75	255 184.25
R	J	1	15	15	266.75	276.75	R	X	6	54	54	301.25	313.25
R	J	2	7	7	263.25 228.75	270 239.5	R R	X Y	9	101 15	101 15	318.5 279.75	349.75 291
R R	J	3		10 2	257.5	262	R	Y	2	8	8	279.75	284
R	J	5	1	0	-	-	R	Y	3	10	10	271.25	291.75
R R	J	9		27 51	304.75 326	314 340	R R	Y	5	2	2	271 166.25	271 171.75
R	K	1	18	18	261.25	277	R	Y	6	27	27	317.25	326.25
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R R	K	4		14 2	259.5	264.75	R	Z	2	3	3	270.5	273.75
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U	0			8	248.75	269.25	V	J	1	1	0	-	-
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U	P P	2		1	251.75 256.5	251.75 256.5	V	K	9	2	0	319.5	319.5
U	P	3	· .		212.25	212.25	V	L	2	2	0	-	-
U	Р	4	1	1	239	239	V	L	6	5	5	288.75	311.25
U	P P			2	*	*	V	L	9	10	0	-	-
U	R			0	-	-	V	M	2	3	0	-	-
U	R	-	-	3	245.75	249.5	V	M	3	2	2	212	216.75
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U	R	4	1	1	239	239 294.75	V	M	9	26 15	2	*	*
•	R R			8	293.25	294.75	V	N N	2	8	0	-	-
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U	S S	9	2	1	293.25 316.5	293.25 316.5	V	0	2	1	0	-	-
U	T			2	251	251.75	V	0	6	2	2	292.5	292.75
U	T			0	-	-	V	0	9	4	0	-	-
U	T			8	224.25	285.75	V	P	2	1	0	-	-
U	T	5	1	1	243 150.5	243 150.5	V	P Q	6	2	0	292	292
U	T		•	21	294.25	317	V	Q Q	2	1	1	244.5	244.5
U	T	9	38	10	318.25	334.5	V	Q	6	3	3	288	290
U	U			21	256.5	293.25	V	Q	9	14	0	-	-
U	U		10	10 14	252 219	283 287.5	V	T	2	2	0	-	-
U	U			2	247.75	249.5	V	T	6	3	3	291	291.75
U	U	5	2	2	180	183.5	V	Т	9	5	0	-	-
U	U			37	295.75	313	V	U	1	7	2	254	292.25
U	U X		72 7	60 1	313.75 253	368 253	V	U	6	16	0 16	290.25	294.5
U	X		3	1	242	242		U	9	27	1	333.5	333.5
U	Χ		5	-	217.5	226.5	V	V	1	1	1	274.75	274.75
U	X	4	1	1	240.75	240.75	V	V	2	1	1	274.75	274.75
U	X	5	14	14	140.5 293.5	140.5 297.25	V	V	6 9	8	8	293.25 314.75	295.5 344
U	X			3	*	*	-	W	2	1	0	314.75	-
U	Υ	1	7	7	253.5	294.5	V	W	6	1	1	290.75	290.75
U	Υ			4	242.75	243.75		X	1	10	0	-	-
U	Y	5		5 1	220 186.5	253.5 186.5	V	X	3	7	0	246	246
U	Y		•	13	297.5	310	V	X	5	1	1	189.5	189.5
U	Y	9	26		314.75	350.75	V	X	6	28	28	288	292.75
V	\$			5	254.5	277	V	X	9	41	2	348.75	348.75
V	\$			2	230.5	231	V	Y	6	2	2	292.5	292.75
V	\$			2	238.75	240.5	V	Y	9	3	0	-	-
V	\$	5	1	1	182.75	182.75	V	Z	1	6	2	251.5	277
V	\$			31	291	314.5	V	Z	2	2	0	-	- 216.75
V	\$ A			14 0	314	347.75	V	Z Z	9	13 22	13	293 320.75	316.75 355.75
V	A	2		0	-	_	W	F	6	1	1	350	350
V	Α	4	1	1	240	240	W	F	9	4	4	362.5	372.5
V	A				289.75	296	W	L	9	1	1	370.25	370.25
V	A C			0	353	353	W	M M	9	1	1	309.25 354.75	309.25 354.75
V	C			2	257.25	257.25		N	1	4	4	282.5	288.75
V	С	4	2	2	237	237.25	Χ	\$	1	20	20	246.5	279.25
V	С			19	288.25	293.75	X	\$	2	8	8	238	260
V	C D		28	2	263	283.5	X	\$ \$	3	12	12	210.75 238.75	299 238.75
V	D			0	-	-	X	\$	5	2	1	109.25	109.25
	D	6	4	4	306.25	308.25	X	\$	6	26	26	292.25	312.75
V	D				313.5	347.75	X	\$	7	70	70	263.25	263.25 385
V	E E			0	-	-	X	\$ A	9	70	70	307.75 240.5	265.75
V	E	3			213	213	X	A	2	8	8	227.25	243
	E	6	3	3	291	292.25	Χ	А	6	2	2	303.25	311.25
	E			0	251	- 202 5	X	A	9	71	71	299.25	338.75
V	F F				251 242	293.5 274.25	X	C C	3	3	3	207.5 228.5	210.5 230.5
V	F				215	266	X	C	5	1	0	-	-
	F	4	4	4	240.75	246	X	С	9	16	16	302.75	309.25
	F	•		1	197	197		D	1	6	6	255	276.75
V	F	7			290.25 258.5	314.5 258.5		D D	3	5 3	3	236.75 213.5	242.5 229.5
-	F	-			313.75	378		D	4	7	7	233.5	244
V	G	1	15	3	251	260	X	D	6	2	2	*	*
V	G			0	-	-		D	9	17	17	325.75	346.5
V	G G			15 1	290 324	292.75 324	X	F F	2	10	10	276.25 256.75	282.75 300.75
V	Н			0	-	-	X	F	3	10	10	230.73	298
V	Н	6	8	8	289.25	290	Χ	F	4	3	3	262	268.25
V	Н	-		0	-	-	X	F	6	35	35	298	327.5
V		6		0	291.75	291.75	X	F G	9	49 15	49 15	327.5 258.5	372.25 281.5
V	i I		-	0	-	-	X	G	3	13	13	205.5	248.5

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	G	4	4	4	234	236.75	Υ	K	3	2		199	204.75
	G	6	43	43	288	308	Y	K	4	1		228	228
X	G L	9	75 3	75 3	309 240.5	342.5 250.5	Y	K K	9	20 12		285.25 298.25	294.75 326
X	L	2	1	1	231	231	Y	L	1	12		262.75	262.75
X	L	3	2	2	258.5	259	Y	L	2	3 14	0	- 275.5	284.75
X	L L	9	18	2 18	314.25 298.25	314.25 343	Y	L	9	91		319	319
, ·	M	1	3	3	246.5	251.75	Y	M	1	31	0	-	-
	M	2	3	3	230.25	241.25	Y	M	2	13	0	-	-
	M M	3	2	2	259 233.25	275.5 248.25	Y	M	3	19 4		201 222.25	242 223.5
X	M	5	2	0	-	-	Y	M	5	3	0	-	-
	M	6	4	4	292.25	314.25	Y	M	6	55		270	284.25
	M M	9	2 24	2	243.25 305.25	254.5 313.5	Y	M	9	93	6	225.5	225.5
	N	1	158	66	236.25	298	Y	N	1	189	0	-	-
	N N	3	108 72	11	227.5 199.5	243 281	Y	N N	3	94	0	-	-
	N	4	17	29 17	222.75	253.75	Y	N	4	8	3	220.25	221
	N	5	18	1	120.5	120.5	Υ	N	5	7	0	-	-
	N N	9	62 462	62 298	286.75 298	311 316.5	Y	N N	6	341	1	270 194.75	283.75 224.75
	0	2	5	5	230.25	248.5	Y	N	9	634	8	194.73	224.73
Χ	0	5	2	1	141	141	Y	Q	2	3	3	227.25	232
	0 0	7	1	1	* 268	268	Y	Q Q	5	2	0	-	-
	0	9	47	47	310.25	327	Y	Q	9	19	0	-	-
X	Т	1	1	1	254.25	254.25	Y	Т	1	6	2	237.75	242
X	T T	3	2	1	241 210.5	241 240.5	Y	T	3	9	0 2	199	200.75
	T T	9	11	11	307.25	336.5	Y	T	4	1	0	-	-
X	U	1	6	6	268	273.25	Y	Т	6	3	3	286.5	287
	U U	3	3	3	251.75 220	253.25 301.5	Y	T V	9	29 9		307.75 236.25	307.75 236.25
	U	4	1	1	251.25	251.25	Y	V	2	4		243	243
X	U	6	11	11	295.75	316.75	Υ	V	3	4		203.5	203.5
X	V	9	21 5	21 5	322.75 265.25	348.25 280.25	Y	V	5 6	1 7	7	283.75	286.75
, , , , , , , , , , , , , , , , , , ,	V	2	5	5	262.75	279.25	Y	V	7	1		225	225
	V	3	7	7	208.5	295.5	Υ	V	9	20		300.5	326.5
	V V	5	2	2	250.75 165.5	250.75 169.75	Y	X	2	91 53	0	-	-
	V	6	18	18	294.75	324.25	Y	X	3	66	_	200.5	222.25
, ,	V	7	2	2	273.5	278.75	Υ	X	4	5	0	-	-
	V X	9	43 21	43 10	316 236.25	369.25 248.25	Y	X	5 6	5 174	0 22	270	282.5
	X	2	16	2	235	235	Y	X	7	6	0	-	-
	X	3	10	10	209	237	Y	X	9	341	4	*	*
	X X	5	18	1 18	139.75 287.75	139.75 295.5	Y	Z Z	2	1 11	0	250.25	250.25
	X	7	1	1	255.75	255.75	Y	Z	3	8	_	199.5	208.25
	X	9	248	19	298	345.75	Υ	Z	6	7		286.75	299.75
	Z Z	2	3	3	265.25 245	272.5 250.5	Y	Z 7	9	64		225.75 298.75	225.75 340.75
X	Z	3	6	6	216	257		nation, pleas		Note 5	1		0.00
	Z	5	1	1	175	175						erview posts) with their prefe	rences replaced
	Z Z	6 7	17	17	300.25 282	326.5 282	with prefere	nces in defa	ult order i.e	e. Post prefe	erence -	"RSTUVWXYZ	" and State pref-
	z Z	9	29	29	317	351.75	erence - "A (i)	BCDEFGHIJ Candidates					
	\$	1	6	6	244.75	265.25	(ii)	Candidates	who did no	ot appear fo	or docum	ect List. nent verification	as per the
	\$ \$	3	32 33	3 5	228.75 204	280.5 244.75	(iii)	information Considered				d cut-off of 10%	for UR and 15%
Υ	\$	4	7	1	221	221		for Other ca					
	\$ \$	5	6 85	1 85	163.25 279	163.25 289.5	Category VACANCIE	S		SC ST E		HH OBC VH 64 370 12	UR Total 3170 4751
	\$ \$	7	5	2	208.5	289.5			MENDED			16 370 12	1736 2660
Υ	\$	9	113	16	299	332.5	UNFILLED	VACANCIE	S	342 315 1	137 0	48 0 0	1434 2091
	A A	2	34 16	0	238.25	238.25							ed candidates in selected candi-
	A A	3	20	3	200.5	216.25	date agains	st each state	e / category	is as follo	wing (R	Rows pertaining	to posts with 0
Υ	A	4	2	1	219.25	219.25		emaining aft state_code		st of non-int Vacancies		lowest	cluded) : Highest
	A ^	5	2 60	0 60	- 270	293.25	Profesence	3.a.o_00de	Jacogory	Remaining		Marks	Marks
	A A	7	2	1	200.75	293.25	S	#	9	after SL 11	11	349.5	350.25
Υ	A	9	110	7	300.75	326.75	S	# A	9	5	5	412.75	427.5
	F	2	26 23	26 3	238.75 228.5	279.5 258.75	S	С	5	1	1	351.5	351.5
•	F F	3	23	13	199.5	269.5	S S	C M	9	6	6	398.75 392.75	412.25 398
Υ	F	4	3	3	231.25	239.5	S	N	9	250	250	350.5	392
Y	F	5	2 67	2 67	104.75 283.5	123.25 316.25	S	Р	9	1	1	350.25	350.25
Y	F	7	1	1	283.5	252	S U	R \$	9	1	2	350.25 284.5	350.25 284.5
-	F	9	132	100	298.25	340.25	U	\$	9	16	16	340.5	340.75
	G G	2	56 33	5 0	240.25	254.75	Ü	A	1	9	9	335	350
	G	3	29	0	-	-	U	В	9	39 7	39 7	348 347.75	349.5 348
Υ	G	4	4	4	222.5	230.75	U	С	1	7	7	326.5	332
	G G	5	37	0 37	- 279.25	286.25	U	С	3	1	1	378.5	378.5
	G	9	164	3	319.5	319.5	U	C D	9	21	21	347.5 310	347.75 337
Υ	K	1	6	3	236.75	240.5	U	D D	9	8	8	347	347.25
Υ	K	2	7	0	-	-	U	E	1	5	5	319.5	326.25
	_						-				Т		,

Employ	ment New	s 16- 22 M	arch 2013		W	ww.employme	entnews.gov	.in					61
U	E	2	6	6	294.75	302.5	X	N	9	164	164	314	378.75
U	E	9	31	31	346.5	347	X	0	5	1	0	-	-
U	I	9	3	3	346.5 342.5	346.5 363.75	X	X	2	11	0	248.25	249.75
U	J	9	22	22	346	346.5	X	X	9	229	229	303	313.75
U	L	1	14	14 7	309	318.75	Y	\$	2	29	0	-	-
U	L	9	7 35	35	289.25 345	294 346	Y	\$ \$	3	28 6	6	222	229.25
U	M	1	12	12	302.75	308.75	Y	\$	5	5	0	-	-
U	M	2	7	7	286.25	289	Y	\$	7	3	3	200.75	210.5
U	M N	9	40 33	40 33	344 343.25	344.75 344	Y	\$ A	9	97	9 33	243.5	248.25
U	0	9	29	29	342.75	343.25	Y	A	2	16	0	-	-
U	P	1	1	1	302.75 342.75	302.75 342.75	Y	A	3	17	17	204.75 260.75	211 260.75
U	R	9	5 4	5	342.75	342.75	Y	A	5	2	0	200.75	260.75
U	R	3	3	3	330	335.25	Y	A	7	1	1	285.25	285.25
U	R S	9	15	15	342.5 300.75	342.75 300.75	Y	A F	9	103 20	103	299.75	303
U	S	9	1	1	342.5	342.5	Y	F	3	8	8	201.5	203.5
U	Т	1	9	9	297	300	Y	F	9	32	32	298.5	299.25
U	T	9	5 28	5 28	285.25 341.75	286 342.5	Y	G G	2	51 33	46	236	243.25
U	Ü	9	12	12	341.5	341.75	Y	G	3	29	12	199	201.5
U	X	1	6	6	295.25	296.5	Y	G	5	4	0	-	-
U	X	9	2 23	2 23	285 340.75	285 341.5	Y	G K	9	161 3	33	298	298.5
V	\$	1	11	11	281	281.75	Y	K	2	7	0	-	-
V	\$	2	15	15 52	274	275.75 331.75	Y	K	9	5	0	-	-
V	\$ A	9	52 3	3	330.75 294.5	331.75 295	Y	L	2	3	0	-	-
V	Α	2	1	1	283.75	283.75	Y	L	9	90	0	-	-
V	A C	9	18 12	18 12	340 291.75	340.5 293.75	Y	M	1 2	31 13	0	-	-
V	C	2	2	2	291.75	293.75	Y	M	3	13	0	-	-
V	С	9	27	27	339.5	340	Y	М	4	2	2	234.25	236.75
V	D E	2	3	3	282 291.25	282.25 291.5	Y	M	5 6	3 27	27	280.5	281.75
V	E	2	2	2	281.75	281.75	Y	M	7	1	1	269.25	269.25
V	E	9	12	12	339.25	339.5	Y	M	9	87	1	*	*
V	F	2	21 12	21 12	288 280	291.25 281.75	Y	N N	2	189 94	0	-	-
V	F	9	158	158	335.25	339.25	Y	N	3	24	15	204	246
V	G	1	12	12	285.5	287.75	Y	N	4	5	5	236.75	268.75
V	G G	9	18	18	280 335	280 335.25	Y	N N	5 6	7 191	3 191	110.25 281.75	137.75 363.25
V	Н	1	2	2	284.75	285	Y	N	7	1	1	277.25	277.25
V	H	9	1	4	335	335 284.75	Y	N	9	626	2	*	*
V	l I	9	2	2	284.75 335	335	Y	Q Q	3 5	1	0	204	204
V	J	1	1	1	284.5	284.5	Υ	Q	9	19	19	299.25	299.75
V	J	9	2	2	279.75 335	279.75 335	Y	T	2	9	0	-	-
V	K	2	1	1	279.5	279.5	Y	T	4	1	1	234	234
V	K	9	1	1	335	335	Y	T	9	27	1	*	*
V	L	2	2	2	284.5 279.5	284.5 279.5	Y	V	2	8	0	-	-
V	L	9	10	10	334.75	335	Y	V	3	3	0	-	-
V	M	1	4	4	283.5	284.5	Y	V	5	1	0	-	-
V	M M	9	24	3 24	278.75 334.5	279.25 334.75	Y	X	9	91	0	-	-
V	N	1	15	15	283	283.5	Y	X	2	53	1	*	*
V	N N	9	8 48	8 48	278 333.5	278.75 334.25	Y	X	3	60 5	0 5	231.75	233.75
V	O	1	1	1	283	283	Y	X	5	5	0	201.70	200.10
V	0	2	1	1	278	278	Y	Х	6	152	152	272.5	280.5
V	O P	9	1	1	333.5 277.75	333.5 277.75	Y	X	9	337	8	233.25	261.5
V	Q	1	2	2	282.75	282.75	Y	Z	2	11	0	-	-
V	Q	9	14	14	333.25	333.5	Y	Z	3	6	0	-	-
V	T	2	1	1	282.75 277.75	282.75 277.75	Y * For expla	⊣∠ anation, plea	9 ase refer to	47 Note 5	0	-	-
V	T	9	5	5	333	333.25	Note 1: Ex	planation	of post cod	des in List III	l and Lis	t IV -	
V	U	1	5	5	282.5	282.75		in CAG O					
V	U	9	26	26	277.25 332.5	277.75 333	T: Auditor	in CGA Of	ffices & Oth		_		
V	W	2	1	1	277.25	277.25	V: Junior	Acctt./Acc	ountant in (CAG Offices CGA Offices	-		
V	X	1 2	10 7	10 7	282 276	282.5 277	W: Upper	Divisional sistant in C	Clerk				
V	X	9	39	39	332	332.5	For post of	X, vacano	ies in some		clubbed t	ogether and	considered under
V	Y	1	1	1	282	282		State Code	e as under :-	-		hich consider	
V	Y Z	9	3 4	3 4	332 282	332 282	3. NO.	State Co		C State code	unuer w	men consider	eu
V	Z	2	2	2	275.75	276	2	K, D	, , , . .	D			
V	Z	9	18	18	331.75	332	3 4	E, O H, M		O M			
X	\$ C	5	1	0	-	<u>-</u>	5	I, V		V			
X	D	2	3	3	272	273	6	J, U		Ü			
X	M	5	2	0	-	-	7 8	Y, Z #, \$		Z \$			
X	N N	2	92 97	92 86	250 227	280 271.5		#, ⊅ sistant in C	BEC	_ Ψ			
Χ	N	3	43	43	211	302.5	For post of	f Y, vacanci	es in some		clubbed t	ogether and	considered under
X	N	5	17	12	103.75	192.25			e as under:-			_	nued on page 62
l	-					<u></u>	4						

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	. •	
S. No.	State Code	State code under which considered
1	E, O	0
2	B, C, P, R, S, W, Q	Q
3	U, J, F	F
4	и ф	A

Z: Compiler, RGI - No vacancies reported.

Note 2: Category/preferences of candidates have been taken from the data received from Regional Offices

O -Madhya Pradesh

P -Manipur

-Rajasthan

Y -Uttarakhand

Z -Uttar Pradesh

X -Tamil Nadu & Puducherry

\$ -West Bengal & Sikkim

-Andaman & Nicobar

Note 3: Codes for States/UTs are :-

A -Andhra Pradesh

Continued from page 61

B -Arunachal Pradesh

C -Assam

Q -Meghalaya D -Bihar R -Mizoram E -Chhattisgarh S -Nagaland F -Delhi T -Orissa U -Punjab, Haryana & Chandigarh

G -Gujarat, H -Goa, Daman & Diu -Himachal Pradesh -Jammu & Kashmir

K -Jharkhand L - Kerala & Lakshadweep M -Karnataka N -Maharashtra, Dadra & Nagar Haveli

Note 4: For Options X and Y, DEST was prescribed. Only those candidates have been considered in Select List who have qualified in DEST, as per the cut-off fixed at 5% mistakes for UR and 7% mistakes for Other categories. In Reserve List, only those candidates have been considered who have qualified in DEST, as per the cut-off fixed at 10% mistakes for UR and 15% mistakes for Other categories. There is exemption from DEST for PH candidates in CBDT. There is no

contract)/Absorption/Re-employment basis;

Senior Operations Officer (DIG)

Deputy Chief Engineer (Commandant)

Senior Aircraft Maintenance Engineer/

Junior Aircraft Maintenance Engineer/

Equipment Officer (Second In Command)

Logistics Officer (Deputy Commandant)

be seen/downloaded from BSF website www.bsf.nic.in.

Rs.750/- per certification

tled to draw Incentives and Deputation Allowance as per following rates:-

For Fixed Wing and Rotary Wing

Rs. 1800/-per actual flying hour

Rs. 1500/- per actual flying hour

Senior Aircraft Radio Maintenance

Junior Aircraft Radio Maintenance

Engineer (Deputy Commandant)

Posts vacant

Capt/Pilot (DIG)

Commandant (Pilot)

Chief Engineer (DIG)

Engineer (2 I/C)

Junior Logistic Officer

Total vacancies

(Assistant Commandant)

S.No.

2

3

4

5

6

8

9

10

Category

Co-Pilot

Engineers

Captain Pilot

In other cases

exemption from DEST for PH candidates in CBEC.

shown in their vertical categories as well. In certain cases all vacancies shown filled against a vertical category have been filled by horizontal category candidates and hence the highest and lowest marks shown against such rows are zero as the same are available against the respective vertical category. Note 6: For Option I (Income Tax Inspector) and X (Tax Assistant in CBDT), the States falling

Note 5: In all the above Tables, candidates selected against Horizontal vacancies have been

under respective cadre controlling authority (CCA) and which were considered for result pro-CCIT(CCA) zone S.No. State/UTs covered under CCIT(CCA)

0.110.	0011 (00/1) 20110	Glatere is covered ander corr(corr)						
1	Ahmedabad	Gujarat, Dadra & Nagar Haveli, Daman & Diu						
2	Bangalore	Karnataka & Goa						
3	Bhopal	Madhya Pradesh & Chhattisgarh						
4	Bhubaneswar	Orissa						
5	Chandigarh	Punjab, Haryana, Himachal Pradesh, Jammu & Kashmir and Chandigarh (UT)						
6	Chennai	Pondicherry & Tamil Nadu						
7	Delhi	Delhi						
8	Guwahati	Nagaland, Assam, Arunachal Pradesh, Manipur, Mizoram, Tripura and Meghalaya						
9	Hyderabad	Andhra Pradesh						
10	Jaipur	Rajasthan						
11	Kanpur	Uttar Pradesh(West) and Uttarakhand						
12	Kochi	Kerala and Lakshadweep						
13	Kolkota	West Bengal, Sikkim and Andaman & Nicobar Island						
14	Lucknow	Uttar Pradesh(East)						
15	Mumbai	Maharashtra						
16	Nagpur	Maharashtra						
17	Patna	Bihar and Jharkhand						
18	Pune	Maharashtra						
	•							
Dire	Directorate General, Border Security Force							
		Complex, Lodhi Road, New Delhi - 110003						
	(M	linistry of Home Affairs)						
)13-PERS/BSF/11231 `	•						
DE EMDI O	VMENT/DEDITATION /INC	I LIDING SUCOT TEDM CONTRACT//ARSORDTION IN RSE AIR						

RE-EMPLOYMENT/DEPUTATION (INCLUDING SHORT TERM CONTRACT)/ABSORPTION IN BSF AIR

Applications are invited on prescribed proforma from eligible candidates for filling up the following

"A' Officers posts in BSF Air Wing on Deputation (including short term

PB-4 (Rs. 37400-67000)

plus Grade Pay Rs. 8900/-PB-4 (Rs. 37400-67000)

plus Grade Pay Rs. 8900/-

plus Grade Pay Rs. 8700/-

plus Grade Pay Rs. 8900/-

plus Grade Pay Rs. 8700/-

plus Grade Pay Rs. 7600/-

plus Grade Pay Rs. 6600/-

plus Grade Pay Rs. 7600/-

plus Grade Pay Rs. 6600/-

plus Grade Pay Rs. 5400/-

For Embraer Jet aircraft

Rs.900/- per certification

10 % of (Pay Band + Grade Pay)-subject to maximum, of Rs. 4,000/-p.m.

Rs. 2500/-per actual flying hour

Rs. 2000/- per actual flying hour

PB-4 (Rs. 37400-67000)

PB-4 (Rs. 37400-67000)

PB-4 (Rs. 37400-67000)

PB-3 (Rs.15600-39100)

PB-3 (Rs. 15600-39100)

PB-3 (Rs.15600-39100)

PB-3(Rs. 15600-39100)

PB-3(Rs.15600-39100)

WING GROUP 'A' GAZETTED POSTS - PILOTS, ENGINEERS AND LOGISTICS OFFICERS

Note 7: For Option J (Inspector (Central Excise)) and Y (Tax Assistant in CBDT), the States falling under respective cadre controlling Zone and which were considered for result processing are: State/UTs falling under jurisdiction S.No Cadre controlling zone Bangalore Karnataka Madhya Pradesh & Chhattisgarh Bhopal Bhubaneshwar Orissa Punjab, Haryana, Chandigarh, Jammu & Kashmir Chandigarh Chennai Pondicherry & Tamil Nadu Kerala and Lakshadweep Cochin Delhi, Punjab, Haryana, Chandigarh Delhi Hyderabad 8 Andhra Pradesh Lucknow Uttar Pradesh 10 Maharashtra, Dadar & Nagar Haveli, Goa, Daman & Diu Mumbai Nagaland, Assam, Arunachal Pradesh, Manipur, 11 Shillong Mizoram, Tripura and Meghalaya 12 Vadodara Gujarat West Bengal, Sikkim, Andaman & Nicobar 13 Kolkota Tie cases have been resolved by applying following criteria, one after another, as applicable

till the Tie is resolved :-If there are candidates for a particular post/group of posts having the same aggregate marks in both Tier I and Tier II Examinations, including the marks for Interview wherever applicable, then the tie will be resolved by the Commission by referring to the total marks of Tier II examination i.e., a candidate having more marks in Tier-II will be given preference. If the tie still persists then the total marks in Tier I examination will be referred to i.e. a candidate having more marks in this

nomination. Based on post examination analysis, result of 456 candidates has been kept with-

11. Representations regarding the results, if any, should be addressed by 22.02.2013 to:

Examination will be given preference. This procedure will be followed by Date of Birth, i.e., the candidate older in age will get preference. Lastly, if the tie still persists, the tie will be finally resolved by referring to the alphabetical order of names, i.e., a candidate whose name begins with the alphabet which comes first in the alphabetical order will get preference. 8. There are 20 candidates in List I, 21 candidates in List II, 44 candidates candidates in List IV whose candidature have been kept as Provisional by concerned regional offices. Concerned RDs/DDs will check the eligibility of such candidates thoroughly before their

held by the Commission. Decision will be taken in their cases in due course.

9. The list of recommended candidates is purely **PROVISIONAL** and subject to the candidates fulfilling all the eligibility conditions prescribed in the Notice of the said examination and also subject to, among other things, thorough verification of their identity with reference to their photographs, signatures, handwritings, etc. on the application form, admission certificates, etc. 10. For candidates belonging to reserved categories for whom certain percentage of vacancies are

reserved as policy of the Govt., the category status is indicated against their Roll No. It is important to note that some of them have been declared qualified only in the category mentioned against their Roll Nos. If any candidate does not actually belong to the category mentioned against him/her name, he/she may not be eligible to be included in the list. It is, therefore, in the interest of the candidates concerned to contact immediately the respective regional offices of the Commission in all such cases where they do not belong to the category shown against their Roll Nos.

Under Secretary(C-1/1) (CGL Exam., 2012)

Staff Selection Commission
Block No.12, CGO Complex,Lodhi Road, New Delhi-110003.

davp 32204/11/0108/1213

Requests for change in State shall be outright rejected. Representations not accompanied by relevant documents supporting the claim will not be examined. Representations

Shri Gopinath Nayak

received after 22.02.2013 will not be examined. The four Lists of the selected candidates are now placed on the website http://ssc.nic.in/. Marks of qualified and non qualified candidates and list of withheld cases is also placed on the website.

> Sainik School Tilaiya (functioning under Sainik Schools Society, Ministry of Defence)

Po - Tilaiya Dam, District - Koderma Jharkhand - 825413

(Gopinath Nayak) US(C-I)-I

EN 50/105

Principal

EN 50/41

1. Applications are invited for the following posts: -(a) Asst Master (TGT) (Mathematics) - 01 Post (SC-01) on regular basis.

Qualification: Graduation with Mathematics as Main Subject and B.Ed (NCTE approved) with rel-

evant subject from recognized university. Must have passed CTET/STET. (b) LDC - 01 Post (UR - 01) on regular basis. Qualification. (i) Matriculation, (ii) Typing speed of at least 40 words per minute & (iii) Knowledge

of short hand and ability to correspond in English will be considered an additional qualification. Desirable. B.A./B.Sc/B.Com degree & Computer qualified. (c) Ward Boys- 02 Posts on purely contractual basis for one year only.

Essential. Should have passed Matriculation or equivalent examination and should be able to

converse fluently in English.

Qualification.

Vacancies

01

12

01

04

13

07

01

05

48

Desirable. B.A./B.Sc/B.Com degree & Computer qualified. Achievements in Sports/Art/Music. 2. Age - For Para 1 (a) - Should not be below 21 and above 35 yrs as on 01 March 2013 or date

of joining whichever is later. For Para 1 (b) to (c) - Should not be below 18 years of age and above 50 years of age as on 01 April 2013 or date of joining whichever is later. 3. Pay/ Consolidated Remuneration.

(b) LDC. PB-1 Rs. 5200 - 20200/- with GP 1900/- alongwith other admissible allowances.

(c) Ward Boy (Cont). Rs. 13300/- per month (fixed consolidated remuneration). 4. Allowances and perquisites (For Para (a) and (b) only). In addition to DA at Central Govt.

rates, incumbents are entitled to free accommodation as available/HRA For, LTC, PF, Pension (as per New Pension Scheme), gratuity etc. and subsidized education for two children for all regular staff, subject to fulfilling minimum eligibility criteria.

(a) Asst Master (TGT). PB-2 Rs. 9300-34800/- with GP of 4600/- alongwith other admissible

Para (a) only. In addition to above, free electricity (limited units) and free messing for self except during vacation is also available for Academic staff.

5. Apply on plain paper with a passport size photo, post applied for and bio-data to include Name, address, telephone number with STD code, DOB status (Gen/SC/ST) academic record with percentage upto highest degree, co-curricular activities and level of participation in games, NCC,

Experience of teaching certificates with exact date and institutions served duly countersigned by Dy Director of Edn/Regional Officer CBSE. Applications must accompany an A/C Payee DD of Rs. 400/- and Rs. 100/- (for SC candidates) (Non refundable) drawn in favour of Principal Sainik

School Tilaiya payable at State Bank of India, Sainik School Tilaiya Branch (Code - 3502). 6. Applications with attested copies of documents along with self addressed envelope size 9" X 4" with Rs. 25/- stamps affixed must reach Principal Sainik School Tilaiya within 21 days of publi-

cation of the Advertisement. School will not be responsible for postal delay. No TA/DA will be paid to short listed candidates who only will be called for Interview. 7. The School administration reserves the right to cancel the vacancy due to administrative/policy

File No. SST/EST/11(a)/(b)

Date:

working day of the 12th month from the date of publication of the advertisement in the Employment News. The Advertisement is subject to modification/cancellation as and when

necessary. Vacancies and Eligibility Criteria are subject to change as per the requirement. 5. For any enquiry contact Telephone No. 011-24364851 to 55. Extension -2604 or 2609. (Vikash Chandra) Deputy Inspector General (Pers) EN 50/60 davp 19110/11/0400/1213

Detailed Advertisement containing application Form, Eligibility Conditions, Method and

Modalities of recruitment, Aircraft-wise/Stream-wise vacancies and Vacancy Updation Chart can-

3. In addition to the usual Government Pay & Allowances, the Officers in BSF Air Wing are enti-

INCENTIVES:

DEPUTATION (DUTY) ALLOWANCE

Within the same station | 5% of (Pay Band + Grade Pay)-subject to maximum of Rs. 2,000/- p. m.

4. The Advertisement is open for one year subject to availability of vacancies as per the

requirement. Eligible candidates may apply up to one year from the date of publication of this Advertisement in the Employment News. Last date for receipt of applications will be the last F.No. 35/8/2012/-Ad.I(A)/NCRB Government of India Ministry of Home Affairs

National Crime Records Bureau

Subject: Filling up two posts of Joint Assistant Director on deputation basis

Ministry of Home Affairs vide their ID note No.24013/29/2010-CSR-IV dated 28.01.2013 has conveyed the approval of the competent authority to fill up two vacancies in the grade of Joint Assistant Director (JAD) in the Crime Records, Administration & Training Division of National Crime Records Bureau on deputation basis.

- 2. As per instructions of DoPT on deputation, the advt should invariably be published in the "Employment News" and also the vacancy circular should be addressed to all the agencies or sources of selection as specified in the RRs.
- 3. Applications in the prescribed proforma (Annexure II) in duplicate alongwith complete and up-to-date APAR Dossiers of the Officers within a period of 60 days from the date of issue of this Advt. Applications received after the last date or without APAR Dossiers or otherwise found incomplete will not be considered. While forwarding the application it may also be verified and certified that the particulars furnished by the Officers are correct and no disciplinary case is either pending or contemplated against him/her. The integrity of the Officer may also be certified.

- 1. Name of the post: Joint Assistant Director in Crime Records, Administration & Training Division, NCRB
- 2. Number of posts: TWO (02)
- 3. Classification: General Central Service Group 'A' Gazetted, Non-Ministerial Scale of Pay: PB-3 of Rs. 15600-39100/- plus grade pay of Rs. 6600/.
- 5. Period of Deputation: Period of deputation, including period of deputation in another excadre post held immediately preceding this appointment in the same or some other organisation or department of the Central Government shall ordinarily not exceed three years. The maximum age limit for appointment by deputation shall be not exceeding 56 years, as on the closing date of receipt of applications.
- 6. Eligibility Conditions: Officers of the Central Government or State Governments or Union
- (i) (a) Holding analogous posts on regular basis; or (ii) with five years regular service in posts in the Pay Band 3 of Rs.15600-39100 and Grade Pay
- (iii) with six years of regular service in posts in the Pay Band 2 of Rs.9300-34800 and Grade Pay of Rs.4800/-; or
- (iv) with seven years of regular service in posts in the Pay Band 2 of Rs.9300-34800 and Grade Pay of Rs.4600/-; and
- (b) Possessing five years experience in Police Administration and Crime Records Management. 2. The Departmental Deputy Superintendent (Crime Records) with seven years' regular service in the scale of pay of Rs. 9300-34800/- and Grade Pay of Rs. 4600/- shall also be considered alongwith outsiders and in case, he is selected for appointment to the post the same shall be deemed to have been filled by promotion.
- Note 1:- For purpose of appointment on deputation basis, the service rendered on a regular basis by an officer prior to 1st January, 2006 or the date from which the revised pay structure based on the 6th Central Pay Commission recommendations has been extended, shall be deemed to be service rendered in the corresponding Grade Pay/pay scale extended based on recommendations of the Commission except where there has been merger of more than one pre-revised scale of pay into one grade with a common Grade Pay or pay scale, and where this benefit will extend only for the posts for which that Grade Pay/ pay scale is the normal replacement grade without any upgradation.
- 7. Terms of deputation: The terms and conditions of officer appointed to the post on deputation basis will be regulated according to the Department of Personnel and Training OM No.2/29/91-Estt.(Pay-II) dated 05.01.1994, as amended from time to time.
- 8. Place of Posting: New Delhi
- 9. Period of deputation: Period of deputation (including short-term contract) including period of deputation (including short-term contract) in another ex-cadre post held immediately preceding this appointment in the same or some other organisation or department of the Central Government shall not ordinarily exceed three years.
- 10. Terms of deputation: The pay of officers selected on deputation basis will be regularised in accordance with the relevant provisions of DOPT's O.M.No.2/29/91-Estt. (Pay-II) dated 05.09.1994 -, as amended from time to time.
- 11. Duties and Responsibilities attached to the post : Procurement of office Equipments, Stationery. Furniture and Fixture through Government Stores / Authorized agencies viz., Kendriya Bhandar (KB). National Cooperative Consumer Federation of India Ltd. (NCCF), Delhi Consumer Cooperative Wholesale Store Ltd. (DCCW).
- Purchase of consumable items for functional requirement through the process of limited tenders/ quotations Management of vehicles including their upkeep
- Liaison with other Government agencies like CPWD (for Maintenance and upkeep of Civil and
- Electrical work)
- To ensure that facilitation and support is extended by the General Branch to all other Branches to optimize functional efficiency which includes automation equipments viz. Photocopier and
- To ensure that matters of urgency such as replies to Parliament Questions and various reports to Ministry are prioritized and deliverables reach the concerned departments in time.
- Coordination and arrangements for Meetings / Conferences / Seminars /Annual day and other activities of the Bureau.
- To prevent unauthorized entry of any public into office premises.
- To ensure proper discipline amongst the staff of General Branch.
- To ensure ideal atmosphere and weather conditions for officers and staff of the Bureau by way of provision / upkeep of AC Plants, AC units (Window and Split type), through the process of AMC (Annual Maintenance Contract)
- Receipt and issue of Dak, dispatch of NCRB publications to CPOs, other Govt. offices and State Police
- Supply, installation and maintenance of Intercom System, and P&T telephones in the Bureau. To prepare budget estimates (BE & RE) under the "Minor works" and "Office Expenses" heads of account.
- Monitoring the jobs of collection, co-ordination, Analysis and Dissemination of information on following subjects;
- → Talash (Search System)
- → Fire-arms co-ordination system → Explosives
- Cultural Property
- → General Crime and Railway Crime Responsible for maintenance of crime data and general administration
- Reply to Parliament Questions on the subject mentioned above
- Assist to Assistant Director (Records) to perform the job of General Administration of Branch
- 12. In the event of selection, the candidates will not be allowed to withdraw their candidature subsequently. **ANNEXURE -II**

possessed by the Officer

BIO DATA PROFORMA

- 1. Name and Address in Block letters : 2. Date of Birth (In Christian era):
- 3. Date of retirement under Central/State Government Rules. : 4. Educational Qualifications

Experience required

- 5. Whether Educational and other qualifications required for the post are satisfied. (If any quali-
- fication has been treated as equivalent to the one prescribed in the rules state the authority for the same). Qualifications/Experience Qualifications/

Essential (1)(2)(3)Desirable (1)(2)(3)

6. Please state clearly whether in the light of entries made by you above you meet the requirements of the post

INDIAN AGRICULTURAL RESEARCH INSTITUTE

NEW DELHI - 110 012 ADVERTISEMENT NO. IARI/PER.V/1/2013

Applications are invited for filling up the following Technical Posts, Driver, & Skilled Support Staff at IARI HQ, New Delhi and its Regional Stations under the administrative control of Indian Council of Agricultural Research (ICAR):

	Name of the Post/ Grade/ Category & Place of posting	Pay Band/Pay scale and Grade Pay	No. of vacancies & Reservations position	Qualifications
1.	Technical Assistant T-3 Grade (Cat. II) (Field Farm Technician) IARI, New Delhi & its Regional Stations	PB-I/ Rs. 5200- 20200/- +Grade Pay Rs. 2800	27 Posts UR - 13 SC - 04 ST - 02 OBC - 08	B.Sc in Agriculture OR equivalent from recognized University
2.	Hindi Translator, T-3 Grade (Cat.II) Press & Editorial Staff	PB-I/ Rs. 5200- 20200/-+Grade Pay Rs. 2800	1 OBC New Delhi	BA (Hons.) in Hindi or equivalent qualification from a recognized university with 3 years experience in science writing and science journalism in Hindi language Desirable:Diploma in Journalism
3.	Field Man T-1 Grade (Cat.I) (Field Farm Technician) IARI, New Delhi & its Regional Stations	PB-I/ Rs. 5200- 20200/-+Grade Pay Rs. 2000	18 Posts UR -08 SC - 02 ST - 02 OBC - 04 PH - 02	Matriculation with at least one year certificate in Agriculture from recognized Institutions.
4.	Laboratory Assistant/ T-3 Grade (Cat. II)	PB-I/Rs. 5200- 20200/-+Grade Pay Rs. 2800	1-(UR) KVK- Shikohpur	Bachelor Degree in Agriculture from recognized University with Specialization in Horticulture PG in Horticulture will be preferred.
5.	Driver/ T-1 Grade (Cat.I)	PB-I/ Rs.5200- 20200/-+Grade Pay Rs. 2000	1–(UR) KVK - Shikohpur	Matriculate (10th) from recognized Board. Possession of a valid and appropriate driving license from prescribed Govt. Authority/ Institution (The candidates will have to pass practical skill test to be taken by an appropriate committee of Institute/ Directorate
6.	Skilled Support Staff (Group-C)	PB-I/ Rs.5200- 20200/-+Grade	1 – (UR) KVK -	Matriculate (10th) from recognized Institution/Board and

NOTE: For details of age limit, general instructions to the candidates last date of receipt of applications form etc. candidates may visit institute's website (www.iari.res.in)

Pay Rs. 1800

Shikohpur

Joint Director (Admn.) EN 50/63

(B.N.Rao)

should know cycling.

7. Details of Employment in chronological order (Enclose a separate sheet duly authenticated by your signature if the space below is insufficient.

Office/ Instt/Org.	Post Held	From	То	Scale of Pay and Classification (Group) of post	Whether held on regular/ Ad-hoc basis	Nature of duties	
							l

- 8. Nature of present employment i.e.
- (i) Ad-hoc Basis
- (ii) Regular/on temporary basis
- (iii) Pay in the Pay Band
- (iv) Grade Pay drawn
- 9. In case the present employment is held on deputation/contract basis please state:-
- (a) The date of initial appointment
- (b) Period of appointment on deputation/contract
- (c) Name of the parent Office/Organization to which you belong. Additional details about present employment. Please state whether working under (indicate
- the name of your employer against the relevant column.)
- (a) Central Government
- (b) State Government or Union Territory
- (c) Semi-Government or Statutory or Autonomous Organization (d) Public Sector Undertaking
- (e) Universities or Recognised Research Institutes
- (f) Others
- 11. Are you in Revised Pay Structure? If yes, give the date from which the revision took place and also indicate the pre-revised scale.
- 12. Total emoluments per month now drawn
- 13. Additional information, if any, which you would like to mention in support of your suitability for the post. Enclose a separate sheet, if the space is insufficient. 14. Whether SC/ST/OBC
- 15. Remarks

I have carefully gone through the vacancy circular/advertisement and certify that I have not concealed or misrepresented any information and I am well aware that the Bio-data supported by documents submitted by me will be assessed by the Selection Committee at the time of selection for

Date		Signature of the Candidate Address:
	Countersigned	
	(Employer with Seal)	

Certificate to be furnished by the employer/Head of Office/Forwarding Authority:are correct

- 1. Certified that the particulars furnished by Shri/Smt/Kumari and he/she possesses educational qualifications and experience mentioned in Annexure-II above. Also certified that:-
- (i) There is no vigilance case pending/contemplated against him/her. (ii) His/her complete CR dossier/APARs for the last 5 years duly attested (on each page) by an
- officer of the rank of Under Secretary to the Government of India or equivalent are enclosed. (iii) His/her Integrity is beyond doubt.
- (iv) No major/minor penalties has been imposed on him/her during the last 10 years/list of major/minor penalties imposed on him/her during the last 10 years is enclosed.

[Strike out which is not applicable]

Signature Name & Designation of the parent office

Dated: (with seal) Place:

EN 50/16

Government of India Ministry of Development of N.E.Region

North Eastern Council Secretariat

Nongrim Hills, Shillong-793003

Advertisement No.NEC/ADM /50/80/Vol. VI

The North Eastern Council Secretariat is looking for the services of suitable officer for appointment on deputation (including short term contract) basis to the following post. The details of post, eligibility criteria, job requirement, qualification and experience required for the post is indicated in Annexure-I below. The maximum age limit for the post should not exceed 56 years as on the closing date of receipt of applications. The pay and other terms and conditions of deputation will be regulated in accordance with DOPT's O&M No.6/8/2009-Estt.(Pay II) dtd.: 17th June, 2010 as amended from time to time. Eligible and willing candidates may apply through proper channel in prescribed format - Annexure-II.

Cadre authorities/Head of Departments are requested to forward applications of eligible and willing candidates whose services can be spared on deputation immediately on selection so as to reach the Director (Admn.) within 60 days from the date of publication of this advertisement in Employment News. Applications in prescribed format (Annexure-II) should be submitted in duplicate and should be accompanied by the following documents/certificates. In-complete applications or applications received after the last date will be summarily rejected without showing

LIŚT OF ENCLOSURES TO BE ACCOMPANIED WITH THE APPLICATION.

- 1. Application in prescribed format Annexure-II duly completed, signed by the candidate and countersigned by the Cadre/Appointing authority.
- 2. ACRs for the period not less than the period of eligibility service prescribed for the post, duly attested with seal on each page by an officer not below the rank of Under Secretary to the Govt. of India or equivalent.
- 3. Integrity Certificate. 4. Vigilance Clearance.

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- 5. No major or minor penalty certificate for the last 10 years of his service.
- 6. A certificate to the effect that the particulars furnished by the candidate have been verified and found correct as per service records.
- 7. Cadre clearance certificate.

(David Lalmalsawma) Director (Admn.) **ANNEXURE-I** 1. One post of Executive Engineer (Power) in the pay scale of Rs. 10000-325-15200/-(Pre-

revised) and Pay Band of PB - 3 Rs. 15600-39100 GP Rs. 6600/- (Revised) the period of Deputation (including short term contract) shall not exceed 3 years Method of recruitment and Eligibility criteria : Deputation (including short-term contract) Officers of the Central Government/State Governments/Union Territories/Public Sector Undertakings/Semi Government or Autonomous organization or statutory organization:

- (a) (i) holding analogous post on regular basis in the parent cadre/department; or (ii) with five years' service in the grade rendered after appointment thereto on a regular basis in post in the scale of Rs. 8000-13500 (Pre-revised)/ (Revised) PB-3 Rs.15,600-39,100/- + GP Rs.
- 5,400/- or equivalent in the parent cadre/department; or (iii) with eight years' service in the grade rendered after appointment thereto on a regular basis in post in the scale of Rs. 6500-10500/- (Pre-revised)/ (Revised) PB-2 Rs. 9,300-34,800/- + GF 4,600/-or equivalent in the parent cadre/department; and
- (b) possessing the following educational qualification and experience:
- (i) Bachelor's Degree in Electrical Engineering from a recognised University or equivalent; and (ii) five years' experience in formulation, execution and supervision of power development projects or schemes including hydro-electric generation projects and transmission and distribution. For Armed Forces Personnel:

The Armed Forces Personnel of the rank of Major or equivalent who are due to retire or to be transferred to reserve within a period of one year and possessing the educational qualifications

and experience prescribed for deputationists shall also be considered. If selected, such officers will be given deputation terms up to the date on which they are due for release from the armed forces. Thereafter they may be continued on re-employment terms. In such case eligible officers have retired or have been transferred to reserve before the actual selection to the post is made their appointments will be on re-employment basis. (Re-employment up to the age of superannuation with reference to civil post). Period of deputation/contract including period of deputation/contract in another ex-cadre post held immediately preceding this appointment in the same or some other organisation/

Department of the Central Government, shall ordinarily not exceed three years. (The maximum age limit for appointment by deputation/contract shall be not exceeding 56 years as on the closing date of receipt of application). Job requirement: To assist Adviser(Power) in the preparation of plans and examination of schemes for power development (both generation and transmission) in the North Eastern Region. To collect

information and monitor progress on the on-going schemes in the region by obtaining timely reports and by undertaking field visits and to check the estimates of projects/schemes and to ensure maintenance of proper follow up action on all such schemes. To assist NEC Secretariat in the preparation of plans for tapping alternative and renewable sources of energy. ANNEXURE II

- **CURRICULUM VITAE PROFORMA** 1. Name and Address (in Block Letters)
- 2. Date of Birth (in Christian era)
- 3. Date of retirement under Central/State Government Rules
- 4. Educational Qualifications
- 5. Whether Educational and other qualifications required for the post are satisfied, (If any qualification has been treated as equivalent to the one prescribed in the Rules, state the authority for the same)

Qualifications/Experience required

Qualifications/Experience possessed by the officer

Essential(1)(2)(3) **Desired** (1) (2)

- 6. Please state clearly whether in the light of entries made by you above, you meet the requirement of the post
- 7. Details of Employment, in chronological order. Enclose a separate sheet duly authenticated by your signature, if the space below is insufficient.

	Institution	held	From	10	and Basic Pay	of duties. (in detail)
l						

- 8. Nature of present employment i.e. Ad-hoc or Temporary or Quasi-Permanent or Permanent.:
- 9. In case the present employment is held on deputation/contract basis, please state :
- a) The date of initial appointment. :
- b) Period of appointment on deputation/contract. :.
- parent office/ organization to which you belong 10. Additional details about present employment Please state whether working under (indicate
- the name of your employer against the relevant column): a) Central Govt.
- b) State Govt.
- c) Autonomous Organisations
- d) Government Undertakings
- e) Universities
- f) Others
- 11. Please state whether you are working in the same Department and are in the feeder grade or feeder to feeder grade. 12. Are you in Revised Scale of Pay? If yes, give the date from which the revision took place and
- also indicate the pre-revised pay scale. 13. Total emoluments per month now drawn. :
- 14. Additional information, if any, which you would like to mention in support of your suitability for the post. (This among, other things may provide information with regard to (i) additional academic qualifications (ii) professional training and (iii) work experience over and above prescribed, in the Vacancy Circular/Advertisement): 15. Please state whether you are applying for deputation (ISTC)/Absorption/Re-employment Basis. (Officers under Central/State Governments are only eligible for "Absorption". Candidates

of non-Government Organisations are eligible only for Short Term Contract.):

Tariff Authority for Major Ports, Mumbai The Tariff Authority for Major Ports, (TAMP), a State boy 6 body in de rible Milestry of Shipping in utes applications for fill-

				ecruffmentbask aspertie detalk gluen below:
	Name &	Pay Baind		Bigibilit; criteria
NO.	Number of	& Grade	recruitment	
	tine vaca⊓cie∎	Pa"		
1	Assistant	79,300 -	By Deputation/	Deputs 1 on / Abijorption:
	1 (One) post		absorption /	h From amongstine employees of the Central Gout State Gout.
		Grade Pay		organizations / Autonomous Body/ Public Sector Undertaking/
		74,2004	ROM liment	Major Ports holding analogous posts; or with 5(flue) years serube
				In the Immediate lower grade.
				If Possessing the educational qualifications and experience prescribed for direct recruitment.
				Direct Recruitment:
				1 Educational and other qualifications;
				(A) Ettential
				(i) Backelor Degree from a recognitized University,
				(f) Atteast 5 (flue) years seruice in the immediate lower grade in
				the Central Gout. /State Gout. organizations / Autonomous
				body /Public Sector undertaking / Major Ports or in Reputed firm.
				(II) Should have good knowledge of office procedure, Rules and
				Régulations le biting to Establisiment and General Administration
				work and the capacity to examine the cases thoroughly with good
				qualities of noting and drafting.
				(B) De il rable
2	Hope a Dick by	₹5,200-	By Deputation/	Should have profibe roy in working on computer/personal computer. Deputation / Abnorpton:
-	Upper Dubilon I Clerk	20,200	apsolb gon/	b From amongstthe employees of the Central Gout/State Gout.
	1 (One) post	+G⊠de	direct	organizations / Autonomous Body/ Public Sector Undertaking/
	, (ore) par	Pay	RCTI ffment	Major Ports a) holding a na logous posts : or b) with 8 years se ulce in
		724004		the Pay Band - 1 with scale of pay of ₹5200 - 20,2004 + Grade
				Pay 01 (1,900A
				in Possessing the educational and other qualifications for direct
				recruttment as prescribed below;
				Educational and other qualifications:
				(A) Et tental :
				(f) Backelofs Degree from a recognited University and
				(2) A tleast 8 years seruice in the immediate lower grade in the Pay
				Band - 1 with scale of pay of ₹52000 - 2012000 / + Grade Pay of ₹1,9000/- In Central / State Gout, /Autonomous bodies/ Public Sector
				Undertakings / Major Ports or in Reputed films.
				(<u>B) Dealrable:</u> Should be well usized in the operation of computer/familiar-
				hty with N.S.Office / Whidows and similar software programmes.
3	Ste nographer-D	7.5.20D-	By Direct	I. Educational and other qualifications:
•			Recruttment	·
	1(One) post	20,200 +		(A) Eurenial
		Grade Pay		(1) Matrix lation or equivalent
		₹ 2,400/-		(2') A speed of 80 wordsperm bitte bi Steboography (English or Hindh and 40 wordsperm bite bitypewrithig.
				(3) A the ast 5 years experience in the scale of pay of ₹ 5,200 -
				20,200 A + Grade Pary of ₹1,900 A in the Central Astate Gout / Autonomous bodies/ Public Sector Undertakings/Major Ports or in
				Reputed films.
				(B) Desirable:
				
				Should be well-uersed in the operation of computer / Personal
				Computer / tam litarity with Wordstar / Word Processing and sim F
	Louis a Dibible	7.6000	Dr. Dr. pa testini	tar software programmes.
,	Lower Diution Cenk	₹5200-	By Deputation	Deputation: From amongstine employees of the Central Gout/ State Gout/
	1(Die) post	20,200+ Grade Pay		Autonomous Body/ Public Sector Undertaking/ Major Ports holding
	(Ore) post	Chause Fally	l	in promote a day in tollo decisi o idenasing major note folding

The posts will be filled up as per the method of recruitment prescribed against the respective posts on usual terms and conditions applicable in such cases. The maximum age limit for deputation shall be 56 years on the best date of recellpt of application. The period of depictation is half not ordinarily exceed 3 years. The fermis and conditions of depictation, the application to matiand other related information can be downloaded from the website of the Authority (inttp://tariff@tariffauthority.govin)

analogous posts.

3. It is requested to norward, the applications of the willing and eligible officials, whose semices can be spared immed H ately for selection, to the Administrathe Officer, Tariff A (thority for Major Ports, 4th floor, Bhandar Bhanan, Muzawar PakkadiRoad, Mazgaok, Mumbal-4000010 a bigwith the ACRs of the officers for the last flue years and dearance from administratue and uighance angle within 20 (twenty) day not on the date of publication of the uacancy in the Employment News. No TA/DA will be admiss ble for the candidates called for the interplew.

16. Whether belongs to SC/ST.:

and reports and special projects (ii) Awards/Scholarship/Official Appreciation (iii) Affiliation with the professional bodies/institutions /societies and (iv) any other information. (Note: Enclose a separate sheet, if the space is insufficient)

17. Remarks (The candidates may indicate information with regard to (i) Research publications

Additional Information

18. Whether the present post held is on substantive basis or on officiating basis or on deputation/ short term contract :

19. Pay scale/Pay Band with Grade Pay of the present post held :

₹19004

da vp 37209/11/000*5*/1213

Date

last 10 years.

Service particulars of Shri/Smti

is certified that there is no doubt of his integrity.

20. If Pay scale/Pay Band with Grade Pay in SI. no. 19 above is not that of the substantive post held (i.e. that on deputation/short term contract/ACP Scheme upgradation/MACP upgradation), then the substantive pay (with Pay Scale/ Pay Band with Grade Pay). : I have carefully gone through the vacancy circular/advertisement and I am well aware that the

Curriculum Vitae duly supported by documents submitted by me will also be assessed by the Selection Committee at the time of selection for the post.

Signature	of the	Candidate
Address		

EN 50/22

Countersigned

(Employer with Seal)

VIGILANCE CLEARANCE CERTIFICATE

Certified that no vigilance case is pending or contemplated against Shri/Smti

Signature: Designation of Competent authority

MAJOR/MINOR PENALTIES REPORT

Certified that there is no major or minor penalties imposed on Shri/Smti

Signature : Designation of Competent

Authority.

INTEGRITY CERTIFICATE

have been carefully scrutinized and it

Signature:

Designation of competent authority

EN 50/72

during

DATE :05.03.2013



UNION PUBLIC SERVICE COMMISSION

EXAMINATION NOTICE NO. 04/2013-CSP

(LAST DATE FOR RECEIPT OF APPLICATIONS: 04/04/2013)

CIVIL SERVICES EXAMINATION, 2013

(Commission's website-http://upsc.gov.in)

F. No. 1/2/2012-E.I(B): Preliminary Examination of the Civil Services Examination for recruitment to the Services and Posts mentioned below will be held by the Union Public Service Commission on 26th May, 2012 in accordance with the Rules published by the Department of Personnel & Training in the Gazette of India Extraordinary dated 5th March, 2013.

- Indian Administrative Service.
- Indian Foreign Service.
- (iii) Indian Police Service.
- Indian P & T Accounts & Finance Service, Group 'A'. (iv)
- Indian Audit and Accounts Service, Group 'A'.
- Indian Revenue Service (Customs and Central Excise), Group 'A'. (vi) Indian Defence Accounts Service, Group 'A'. (vii)
- (viii) Indian Revenue Service (I.T.), Group 'A'.
- Indian Ordnance Factories Service, Group 'A' (Assistant Works Manager, Administration).
- (x) Indian Postal Service, Group 'A'.
- Indian Civil Accounts Service, Group 'A'.
- (xii) Indian Railway Traffic Service, Group 'A'.
- (xiii) Indian Railway Accounts Service, Group 'A'.
- Indian Railway Personnel Service, Group 'A'. (xiv)
- Post of Assistant Security Commissioner in Railway Protection Force, Group 'A'
- Indian Defence Estates Service, Group 'A'. (xvi) (iivx) Indian Information Service (Junior Grade), Group 'A'.
- Indian Trade Service, Group 'A' (Gr. III). (xviii)
- Indian Corporate Law Service, Group "A". (xix)
- Armed Forces Headquarters Civil Service, Group 'B' (Section Officer's Grade). (xx) Delhi, Andaman & Nicobar Islands, Lakshadweep, Daman & Diu and Dadra &
- (xxi) Nagar Haveli Civil Service, Group 'B'.
 - Delhi, Andaman & Nicobar Islands, Lakshadweep, Daman & Diu and Dadra & Nagar Haveli Police Service, Group 'B'.
- (xxiii) Pondicherry Civil Service, Group 'B'.
- (xxiv) Pondicherry Police Service, Group 'B'.
- The number of vacancies to be filled on the result of the examination is expected to be approximately 1000. The final number of vacancies may undergo change after getting firm number of vacancies from Cadre Controlling Authorities.
- Reservation will be made for candidates belonging to Scheduled Castes. Scheduled Tribes, Other Backward Classes and Physically Disabled Categories in respect of vacancies as may be fixed by the Government.
- Note I: The list of services participating in the Civil Services Examination, 2013 is tentative.

Note II: Services identifed suitable for Physically Disabled Categories alongwith respective functional classification and physical requirements are given

SI Name of the No. Service		Category(ies) for which identified	*Functional Classification	*Physical requirements
1. Indian Administrative Service		(i) Locomotor disability (ii) Visual impairment	BA, OL, OA, BH, MW LV	S, ST,W, SE, H, RWT
		(iii) Hearing impairment	PD	
2.	Indian Foreign Service	(i) Locomotor disability	OA, OL, OAL	S, ST, W, RW, C,MF,SE
		(ii) Visual impairment (iii) Hearing	HH	
		impairment		
3.	Indian Revenue Service	(i) Locomotor disability,	OL, OA	S, ST,W, BN,L SE,MF, RW,H,C
	(Customs & Central Excise, Gr. 'A')	(ii) Hearing impairment	HH	
4. Indian P&T Accounts & Finance Service, Gr. 'A'		(i) Locomotor disability (ii) Visual impairment	OA, OL, OAL, BL LV	S, W, SE, RW,
	Si. 70	(iii) Hearing impairment	НН	
5. Indian Audit & Accounts Service, Gr. 'A'		(i) Locomotor disability (ii) Visual	OA, OL, OAL	S, ST,W,BN, SE,RW,H,C
		impairment (iii) Hearing impairment	нн	
6. Indian Defence Accounts Service, Gr. 'A'				S, ST, W, BN, SE, RW, C
		(iii) Hearing impairment	нн	
7.	Indian Revenue Service (I.T.), Gr. 'A'	(i) Locomotor disability (ii) Hearing	OA, OL, OAL, BL HH	S,ST,W,SE, RW,C

IMPORTANT

CANDIDATES SHOULD NOTE THAT THERE ARE CERTAIN CHANGES IN THE SCHEME OF CIVIL SERVICES (MAIN) EXAMINATION, WHICH HAVE BEEN ELUCIDATED IN THE SCHEME OF EXAMINATION. THERE ARE SOME OTHER CHANGES ALSO IN REGARD TO THE CHOICE OF LAN-GUAGE MEDIUM IN THE CIVIL SERVICES (MAIN) EXAMINATION. THESE MAY ALSO BE NOTED.

CANDIDATES TO ENSURE THEIR ELIGIBILITY FOR THE EXAMINATION:

The Candidates applying for the examination should ensure that they fulfill all eligibility conditions for admission to examination. Their admission to all the stages of the examination will be purely provisional subject to satisfying the prescribed eligibility conditions.

Mere issue of admission certificate to the candidate will not imply that his/her candidature has been finally cleared by the Commission.

Commission take up verification of eligibility conditions with reference to original documents only after the candidate has qualified for Interview/Personality Test.

2. HOW TO APPLY:

Candidates are required to apply Online by using the website http://www.upsconline.nic.in Detailed instructions for filling up online applications are available on the above- mentioned website. Brief Instructions for filling up the "Online Application Form" given in Appendix-II.

3. LAST DATE FOR RECEIPT OF APPLICATIONS:

The online Applications can be filled up to 4th April, 2013 till 11.59 PM after which the link will be disabled.

- The eligible candidates shall be issued an e-Admission Certificate three weeks before the commencement of the examination. The e-Admission Certificate will be made available in the UPSC website [www.upsc.gov.in] for downloading by candidates. No Admission Certificate will be sent by post.
- 5. PENALTY FOR WRONG ANSWERS:

Candidates should note that there will be penalty (negative marking) for wrong answers marked by a candidate in the Objective Type Question Papers.

6. FACILITATION COUNTER FOR GUIDANCE OF CANDIDATES:

In case of any guidance/information/clarification regarding their applications, candidature etc. candidates can contact UPSC's Facilitation Counter near gate 'C' of its campus in person or over Telephone No. 011-23385271/011-23381125/011-23098543 on working days between 10.00 hrs and 17.00 hrs.

7. MOBILE PHONES BANNED:

8. Indian Ordnance (i) Locomotor

- (a) Mobile phones, pagers or any other communication devices are not allowed inside the premises where the examination is being conducted. Any infringement of these instructions shall entail disciplinary action including ban from future examinations.
- (b) Candidates are advised in their own interest not to bring any of the banned items including mobile phones/pagers to the venue of the examination, as arrangement for safe-keeping cannot be assured.
- Candidates are advised not to bring any valuable/costly items to the Examination Halls, as safe-keeping of the same cannot be assured. Commission will not be responsible for any loss in this regard.

Candidates are required to apply only through online mode no other mode for submission of applications is allowed

OA, OL, OAL

S.ST.W.BN.RW.

	-	Factories	ctories disability		SE,H,C
		Service, Gr. 'A'	(ii) Visual	LV	
			impairment		
		(iii) Hearing		HH	
			impairment		
	9. Indian Postal (i) Locomot		(i) Locomotor	OA, OL, OAL,	S, ST, W, BN,
		Service, Gr. 'A.	disability	BL	RW, SE, H, C
			(ii) Visual	B, LV	
			impairment		
			(ii) Hearing	HH	
			impairment		
ľ	10. Indian Civil ((i) Locomotor	OA, OL, OAL,	S,ST,W,SE,
		Accounts	disability	BL	RW,H,C
	Service, Gr. 'A' (i		(ii) Visual	LV	
			impairment		
			(iii) Hearing	HH	
I.			impairment		
	11.	Indian Railway	(i) Locomotor	OA, OL, OAL,	S,ST,W,SE,
		Accounts	disability	BL	RW, H,C
		Service, Gr. 'A'	(ii) Visual	LV	
			impairment		
			(iii) Hearing	HH	

"Government strives to have a workforce which reflects gender balance and women candidates are encouraged to apply

66				www.emplo	ymentnews.gov.in	Employment News 16- 22 March 2013
	Name of the	Category(ies)	*Functional	*Physical	(Written and Interview) for the selection	pleted an initial period of assignment of
No.	Service	for which identified	Classification	requirements	of candidates for the various Services and posts noted above.	five years Military Service as on 1st August, 2013 and whose assignment
12.	Indian Railway Personnel	(i) Locomotor disability	OA, OL	S,ST,W,BN, SE,RW,H,C	Applications are now invited for the Preliminary Examination only.	has been extended beyond five years and in whose case the Ministry of
	Service, Gr. 'A'	(ii) Visual impairment	B, LV		Candidates who are declared by the Commission to have qualified for admis-	Defence issues a certificate that they can apply for civil employment and that they
		(iii) Hearing	нн		sion to the Main Examination will have to	will be released on three months notice
13.	Indian Railway	impairment Locomtor	OA	S,ST, W, SE, RW	apply online again, in the Detailed Application Form which would be made	on selection from the date of receipt of offer of appointment.
	Traffic Service Group 'A'	disability	OL	H, C	available to them. The Main Examination is likely to be held in November/	(vii) upto a maximum of 10 years in the case of blind, deaf-mute and orthopaedi-
14.	Indian Defence	(i) Locomotor	OA, OL	S,ST,W,BN,	December, 2013.	cally handicapped persons.
	Estates Service Gr. 'A'	disability (ii) Blindness or	LV	MF,PP,KC, SE,RW,H,C	3. Eligibility Conditions : (i) Nationality	NOTE I: Candidates belonging to the Scheduled
		Low Vision (iii) Hearing	HH		(1) For the Indian Administrative Service and the Indian Police Service, a candi-	Castes and the Scheduled Tribes and the Other Backward Classes who are
		impairment			date must be a citizen of India. (2) For other services, a candidate must	also covered under any other clauses of para 3(ii) (b) above, viz. those coming
15. 	Indian Information Service, Gr. 'A'	(i) Locomotor disability	OA, OL, OAL, BL	,	be either :—	under the category of Ex-servicemen,
		(ii) Visual impairment	B,LV	S,ST,W,SE RW,H,C	(a) a citizen of India, or(b) a subject of Nepal, or	persons domiciled in the State of J & K, blind, deaf-mute and orthopaedically
		(iii) Hearing	нн	11,0	(c) a subject of Bhutan, or (d) a Tibetan refugee who came over to	handicapped etc. will be eligible for grant of cumulative age-relaxation under both
16.	Indian Trade	impairment (i) Locomotor	OA, OL, OAL,	S,ST,W,BN,	India before 1st January, 1962 with the	the categories.
	Service Gr. 'A' (Gr.III)	disability (ii) Visual	BL LV	MF,SE,RW, H,C	intention of permanently settling in India, or	NOTE II: The term ex-servicemen will apply to the
	()	impairment		.,,-	(e) a person of Indian origin who has migrated from Pakistan, Burma, Sri	persons who are defined as ex-servicemen in the Ex-servicemen (Re-employ-
		(iii) Hearing impairment	HH		Lanka, East African countries of Kenya,	ment in Civil Services and Posts) Rules,
17.	Indian Corporate Law Service,	(i) Locomotor disability	OA,OL, BL	ST, RW, SE S,BN,H	Uganda, the United Republic of Tanzania, Zambia, Malawi, Zaire,	1979, as amended from time to time. Note III:
	Group 'A'	(ii) Visual	LV	J, Z, T, T,	Ethiopia and Vietnam with the intention of permanently settling in India.	The age concession under para 3(ii) (b) (v) and (vi) will not be admissible to Ex-
		impairment (iii) Hearing	нн		Provided that a candidate belonging to ca-tegories (b), (c), (d) and (e) shall be a	Servicemen and Commissioned Officers
18.	Armed Forces	impairment (i) Locomotor	OA, OL	S,ST,W,BN,	person in whose favour a certificate of	released on own request.
	Headquarters	disability		MF, SE, RW,	eligibility has been issued by the Government of India.	NOTE IV: Notwithstanding the provision of age-
	Civil Service, Gr.'B' (Section Officers'	(ii) Visual impairment	LV	H,C	Provided further that candidates belonging to categories (b), (c) and (d) above	relaxation under para 3 (ii) (b) (vii) above, a physically disabled candidate will be
	Grade)	(iii) Hearing impairment	НН		will not be eligible for appointment to the	considered to be eligible for appointment
19.	Delhi, Andaman &	(i) Locomotor	OA, OL,OAL,	S,ST,W,SE,	Indian Foreign Service. A candidate in whose case a certificate of	only if he/she (after such physical examination as the Government or appointing
	Nicobar Islands, Lakshadweep,	disability (ii) Hearing	BL HH	RW, MF, H,C	eligibility is necessary, may be admitted to the examination but the offer of	authority, as the case may be, may pre- scribe) is found to satisfy the require-
	Daman & Diu and Dadra & Nagar	impairment			appointment may be given only after the	ments of physical and medical standards
	Haveli Civil Service, Gr. 'B'				necessary eligibility certificate has been issued to him/her by the Government of	for the concerned Services/posts to be allocated to the physically disabled can-
20.	Delhi, Andaman &	(i) Locomotor	OL	S,ST,W,BN,	India. (ii) Age Limits :	didates by the Government. Save as provided above the
	Nicobar Islands, Lakshadweep,	disability (ii) Hearing	нн	PP, KC, MF, SE, RW, H,C	(a) A candidate must have attained the	age limits prescribed can in
	Daman & Diu and Dadra & Nagar	impairment			age of 21 years and must not have attained the age of 30 years on 1st	no case be relaxed.
	Haveli Police				August, 2013, i.e. he/she must have been born not earlier than 2nd August,	The date of birth accepted by the Commission is that entered in the
21.	Service, Gr. 'B' Pondicherry	(i) Locomotor	OA, OL, OAL,	S,ST,W,SE,	1983 and not later than 1st August, 1992.	Matriculation or Secondary School Leaving Certificate or in a certificate
	Civil Service, (Group B)	disability (ii) Visual	BL, LV LV	RW,H,C	(b) The upper age limit prescribed above	recognised by an Indian University as equivalent to Matriculation or in an
	(Croup D)	impairment			will be relaxable: (i) upto a maximum of five years if a can-	extract from a Register of Matriculates
		│(iii) Hearing impairment ional Classification and		ents, para 8 of this	didate belongs to a Scheduled Caste or a Scheduled Tribe.	maintained by a University, which extract must be certified by the proper authority
	ce may please be re A) Centres of Examir	eferred. NATION : The Examinati	on will be held at the	following Centres:	(ii) upto a maximum of three years in the	of the University or in the Higher Secondary or an equivalent examination
ĀĠ/		DIGARH IMPHAL	LUCKNOW R	ANCHI AMBALPUR	case of candidates belonging to Other Backward Classes who are eligible to	certificate.
AIZ	AWL CUTTA GARH DEHRA	CK JAIPUR	MUMBAI S	HILLONG HIMLA	avail of reservation applicable to such candidates.	These certificates are required to be submitted only at the time of applying
ALL	AHABAD DELHI RANGABAD DHARV	JODHPUR	PANAJI (GOA) S	RINAGAR IIRUVANANTHAPURAM	(iii) upto a maximum of five years if a can- didate had ordinarily been domiciled in	for the Civil Services (Main) Examination.
Ban	GALORE DISPUR REILLY GANGT	R KOCHI	PUDUCHERRY TI		the State of Jammu & Kashmir during the	No other document relating to age like
	OPAL HYDER			SHAKHAPATNAM	period from the 1st January, 1980 to the 31st day of December, 1989.	horoscopes, affidavits, birth extracts from Municipal Corporation, service records
ı	centres and the date	•	scretion if the situa		(iv) upto a maximum of three years in the case of Defence Services personnel dis-	and the like will be accepted. The expression Matriculation/Secondary
ı	mination as mentio e to be changed at		nd candidates wi quired to take the ex		abled in operations during hostilities with	Examination Certificate in this part of the instruction includes the alternative certifi-
	Commission. Application there will be a ceiling		e of the seven cen elhi, Hyderabad, Ko		any foreign country or in a disturbed area and released as a consequence thereof.	cates mentioned above.
of c	candidates allotted	to each of the Dis	spur and Mumbai. C	Candidates admit-	(v) upto a maximum of five years in the case of ex-servicemen including	NOTE 1: Candidates should note that only the
	tres, except Chenna katta and Nagpur.		I to the examination we time table and p		Commissioned Officers and	Date of Birth as recorded in the Matriculation/Secondary Examination
	tres will be on the 't' basis, and once t		amination. e candidates shou	ld note that no	ECOs/SSCOs who have rendered at least five years Military Service as on 1st	Certificate or an equivalent certificate
part	icular Centre is atta	ained, the same red	quest for change o		August, 2013 and have been released (i) on completion of assignment (includ-	as on the date of submission of appli- cations will be accepted by the
I	be frozen. Applicants entre of their choice d		anted. <mark>) Plan of Examinati</mark> o	on :	ing those whose assignment is due to be	Commission and no subsequent request for its change will be consid-
	equired to choose a aining ones. Appli	Centre from the Th	e Civil Services Exa		completed within one year from 1st August, 2013) otherwise than by way of	ered or granted.
advi	sed that they may ap	pply early so that Ap	pendix I Section-I be	low).	dismissal or discharge on account of mis- conduct or inefficiency, or (ii) on account	Note 2 : Candidates should also note that
	could get a Centre Notwithstanding	the aforesaid (O	Civil Services Prelim bjective type) for the	selection of can-	of physical disability attributable to	once a Date of Birth has been claimed by them and entered in the records of
	vision, Commission of to change the C		lates for the Main Ex Civil Services M		Military Service, or (iii) on invalidment. (vi) Upto a maximum of five years in the	the Commission for the purpose of

provision, Commission reserve the right to change the Centres at their didates for the Main Examination; and (ii) Civil Services Main Examination

Military Service, or (iii) on invalidment. (vi) Upto a maximum of five years in the case of ECOs/SSCOs who have comadmission to an examination, no

Employment News 16- 22 March 2013 www.employmentnews.gov.in 67 change will be allowed subsequently of Scheduled Castes and Scheduled ed through e-mail to submit copy of (b) All candidates, whether already in

(or at any other examination of the Tribes candidates who are otherwise eli-Commission) on any grounds whatsoaible. Provided further that the number of The candidate should exercise due care while entering their date of birth

attempts permissible to candidates belonging to Other Backward Classes, who are otherwise eligible shall be seven.

in the online Application Form for the The relaxation will be available to the Preliminary Examination. If on verificandidates who are eligible to avail of reservation applicable to such candication at any subsequent stage, any variation is found in their date of birth from the one entered in their matricu-Provided further that a physically handilation or equivalent Examination cercapped will get as many attempts as are tificate, disciplinary action will be available to other non-physically handicapped candidates of his or her community, subject to the condition that a physi-Educational cally handicapped candidate belonging to the General Category shall be eligible for The candidate must hold a degree of any seven attempts. The relaxation will be of Universities incorporated by an Act of available to the physically handicapped candidates who are eligible to avail of the Central or State Legislature in India or reservation applicable to such candiother educational institutions established

1956, or possess an equivalent qualification. Note I: Candidates who have appeared at an examination the passing of which would render them educationally qualified for the Commission's examination but have not been informed of the results as also the candidates who intend to appear at such a qualifying examination will also be eligible for admission to the Preliminary

by an Act of Parliament or declared to be

deemed as a University Under Section-3

of the University Grants Commission Act,

against them by

Commission under the Rules.

Minimum

Note 3:

taken

Qualifications:

Examination. All candidates who are declared qualified by the Commission for taking the Civil Services (Main) Examination will be required to produce proof of passing the requisite examination with their application for the Main

Examination failing which such candidates will not be admitted to the Main Examination. The applications for the Main Examination will be called sometime in the month of August/September, 2013. Note II: In exceptional cases the Union Public Service Commission may treat a candidate who has not any of the foregoing

qualifications as a qualified candidate provided that he/she has passed examination conducted by the other Institutions, the standard of which in the opinion of the Commission justifies his/her admission to the examination. Note III: Candidates possessing professional and technical qualifications which are recognised by Government as equivalent to

professional and technical degree would

also be eligible for admission to the

examination.

tion.

Note IV: Candidates who have passed the final professional M.B.B.S. or any other Medical Examination but have not completed their internship by the time of submission of their applications for the Civil Services (Main) Examination, will be provisionally admitted to the Examination provided they submit along with their

application a copy of certificate from the concerned authority of the University/Institution that they had passed the requisite final professional medical examination. In such cases, the candidates will be required to produce at

the time of their interview original Degree or a certificate from the concerned competent authority of University/Institution that they had completed all requirements (including completion of internship) for the award of the Degree.

(iv) Number of attempts: Every candidate appearing at the examination who is otherwise eligible, shall be permitted four attempts at the examina-

dates. Note: (i) An attempt at a Preliminary

Examination shall be deemed to be an

(ii) If a candidate actually appears in any

the

Preliminary

in

attempt at the Examination.

paper

one

qualified

Examination, he/she shall be deemed to have made an attempt at the Fxamination. (iii) Notwithstanding the disqualification/ cancellation of candidature, the fact of appearance of the candidate at the examination will count as an attempt. (v) Restrictions on applying for the examination: A candidate who is appointed to the

be a member of that service will not be eligible to compete at this examination. In case such a candidate is appointed to the IAS/IFS after the Preliminary of Civil Examination Examination, 2013 is over and he/she continues to be a member of that service, he/she shall not be eligible to appear in the Civil Services (Main) Examination, 2013 notwithstanding his/her having

the

Also provided that if such a candidate is

mencement of the Civil Services (Main)

Examination, 2013 but before the result

Preliminary

in

appointed to IAS/IFS after the

Examination, 2013.

an earlier examination and continues to

thereof and continues to be a member of that service, he/she shall not be considered for appointment to any service/post on the basis of the result of this examination viz. Civil Services Examination, 2013. (vi) Physical Standards: Candidates must be physically fit according to physical standards for admission to Civil Services Examination, 2013 as

per guidelines given in Appendix-III of

Rules for Examination published in the

Gazette of India Extraordinary dated 5th

ST/PH Candidates who are exempted

from payment of fee) are required to pay

March, 2013. 4. FEE: Candidates (excepting Female/SC/

fee of Rs. 100/- (Rupees One Hundred only) either by remitting the money in any

Branch of SBI by Cash, or by using net banking facility of State Bank of India/

State Bank of Bikaner & Jaipur/Sate Bank of Hyderabad/State Bank of Mysore/ State Bank of Patiala /State Bank of Travancore or by using Visa/Master Credit/Debit Card. For the applicants in whose case payments details have not been received from the bank they will be treated as fictitious payment cases and a list of all such applicants shall be made available on the Commission website within two weeks after the last day of

submission of online application.

These applicants shall also be intimat-

proof of their payment to the Commission at the address mentioned in the e-mail. The applicant shall be required to submit the proof within 10 days from the date of such communication either by hand or by speed post

to the Commission. In case, no response is received from the applicants their applications shall be summarily rejected and no further correspondence shall be entertained in this All female candidates and candidates belonging to Scheduled Caste/ **Scheduled** Tribe/ **Physically**

Handicapped categories are exempted from payment of fee. No fee exemption is, however, available to OBC candidates and they are required to pay the prescribed fee in full. Physically disabled persons are exempted from the payment of fee provided they are otherwise eligible for appointment to the Services/Posts to be filled on the

results of this examination on the basis of the standards of medical fitness for these Services/Posts (including any concessions specifically extended to the physically disabled). A physically disabled candidate claiming fee concession will be required by the Commission to submit along with their Detailed Application Form, a certified copy of the certificate from a Government Hospital/Medical Board in support of his/her claim for being

Notwithstanding the aforesaid provision

for fee exemption, a physically disabled

candidate will be considered to be eligible

for appointment only if he/she (after such

physical examination as the Government

or the Appointing Authority, as the case

may be, may prescribe) is found to satis-

fy the requirements of physical and med-

ical standards for the concerned

Services/Posts to be allocated to physi-

cally disabled candidates by the

Applications without the prescribed Fee

(Unless remission of Fee is claimed) shall

physically disabled.

Government.

be summarily rejected. Fee once paid shall not be refunded under any circumstances nor can the fee be held in reserve for any other examination or selection. If any candidate who took the Civil

Services Examination held in 2012 wish-

es to apply for admission to this examina-

tion, he/she must submit his/her applica-

tion without waiting for the results or an

ther fee of Rs. 200/- (Rupees Two hun-

(a) Candidates are required to apply

the

website

using

offer of appointment. Note IV: Candidates admitted to the Main Examination will be required to pay a fur-

dreds only).

5. How to Apply:

http://www.upsconline.nic.in Detailed instructions for filling up online applications are available on the abovemen-The applicants are advised to submit only single application; however, if

due to any unavoidable situation, if

he/she submits another/multiple appli-

cations, then he/she must ensure that application with the higher RID is complete in all respects like applicants' details, examination centre, photograph, signature, fee etc. The applicants who are submitting multiple applications should note that only the applications with higher

(Registration ID) shall be entertained

by the Commission and fee paid

against one RID shall not be adjusted

against any other RID.

owned industrial undertakings or other similar organisations or in private employ-

ment should submit their applications direct to the Commission. Persons already in Government Service, whether in a permanent or temporary capacity or as workcharged employees other than casual or daily rated employees or those serving under the Public Enterprises are however, required to submit an undertaking that they have informed in writing to their Head of Office/Department that they have applied for the Examination. Candidates should note that in case a

communication is received from their

Form, the candidate should carefully

Government Service, Government

employer by the Commission withholding permission to the candidates applying for/appearing at the examination, their application will be liable to be rejected/candidature will be liable to be cancelled. NOTE 1: While filling in his/her Application

decide about his/her choice of centre for the Examination. If any candidate appears at a centre

other than the one indicated by the Commission in his/her Admission Certificate, the papers of such a candidate will not be evaluated and his/her candidature will be liable to cancella-NOTE 2:

Candidates are not required to submit

Age,

Educational

alongwith their applications any certificate in support of their claims regarding

Qualifications, Scheduled Castes/

Scheduled Tribes/Other Backward

Classes and Physically disabled etc. which will be verified at the time of the

Main examination only. The candidates applying for the examination should ensure that they fulfil all the eligibility conditions for admission to the Examination. Their admission at all the stages of examination for which

they are admitted by the Commission viz. Preliminary Examination, Main (Written) Examination and Interview Test will be purely provisional, subject to their satisfying the prescribed eligibility conditions. If on verification at

Preliminary Examination, Main (written) Examination and Interview Test, it is found that they do not fulfil any of the eligibility conditions, their candidature for the examination will be cancelled by the Commission. If any of their claims is found to be

incorrect, they may render themselves

liable to disciplinary action by the

Commission in terms of Rule 14 of the

Rules for the Civil Services

Examination, 2012 reproduced below:

any time before or after the

A candidate who is or has been declared by the Commission to be guilty of: Obtaining support for his/her candidature by the following means, offering illegal gratification to, or applying pressure on, or

blackmail any person connected with the conduct of the examination, or impersonating, or (iii) procuring impersonation by any per-

(c) blackmailing, or threatening to

son, or (iv) submitting fabricated documents or documents which have been tampered with, or

(v) making statements which are incorrect or false or suppressing material

information, or (vi) resorting to the following means in connection with his/her candidature for the examination, namely (a) obtaining copy of question paper

Provided that this restriction on the number of attempts will not apply in the case

Indian Administrative Service or the Indian Foreign Service on the results of

Employment News 16- 22 March 2013 68 www.employmentnews.gov.in through improper means, for non-receipt of his/her Admission Participation) Act, 1995." documents to (b) finding out the particulars of the Provided further that the physically dis-Certificate. Commission to take a decision in the mat-No candidate will ordinarily be allowed persons connected with secret work abled candidates shall also be required to ter on merit. meet special eligibility criteria in terms of 10. The closing date fixed for the receipt relating to the examination. to take the examination unless he/she (c) influencing the examiners, or holds a certificate of admission for the physical requirements/functional classifiof the application will be treated as the (vii) using unfair means during the examexamination. On downloading of ecation (abilities/disabilities) consistent date for determining the OBC status with requirements of the identified ination, or Admission Certificate, check it care-(including that of creamy layer) of the (viii)writing obscene matter or drawing fully and bring discrepancies/errors, if candidate. Service/Post as may be prescribed by its Cadre Controlling Authority at note-II of obscene sketches in the scripts, or any, to the notice of UPSC immediate-11. Withdrawal of applications: NO request for withdrawal of candidature misbehaving in the examination hall Para-1 of this Notice. including tearing of the scripts, pro-The physical requirement and functional received from a candidate after he/she The candidates should note that their voking fellow examinees to boycott admission to the examination will be classification can for example be one or has submitted his/her application will be examination, creating a disorderly purely provisional based on the informamore of the following: entertained under any circumstances. scene and the like, or tion given by them in the Application Code **Physical** (MALAY MUKHOPADHYAY) harassing or doing bodily harm to the Form. This will be subject to verification of Requirements **DEPUTY SECRETARY** all the eligibility conditions by the UPSC. staff employed by the Commission 1. Work performed by MF UNION PUBLIC SERVICE COMMISSION for the conduct of their examinations, The mere fact that a certificate of Manipulation by Fingers 2. Work Performed by Appendix-I admission to the Examination has PP (xi) being in possession of or using been issued to a candidate, will not Pulling & Pushing Section-I mobile phone, pager or any electronimply that his/her candidature has 3. Work Performed by Plan of Examination ic equipment or device or any other finally been cleared by Lifting The competitive examination comprises equipment capable of being used as Commission or that entries made by 4. Work Performed by two successive stages: the candidate in his/her application for a communication device during the **Kneeling and Crouching** Civil Services (Preliminary) the Preliminary examination have 5. Work Performed by examination; or BN Examinations (Objective Type) for the (xii) violating any of the instructions been accepted by the Commission as Bending selection of candidates for Main issued to candidates along with their true and correct. Candidates may note S 6. Work Performed by Examination; and Admission Certificates permitting that the Commission takes up the ver-Sitting (on bench or chair) (ii) Civil Services (Main) Examination ification of eligibility conditions of a ST them to take the examination, or 7. Work Performed by (Written and Interview) for the selection of Standing candidate, with reference to original (xiii) attempting to commit or as the case candidates for the various services and 8. Work Performed by may be abetting the Commission of documents, only after the candidate posts. all or any of the acts specified in the has qualified for Civil Services (Main) Walking 2. The Preliminary Examination will con-Examination. Unless candidature is SE 9. Work Performed by foregoing clauses; sist of two papers of Objective type (mulmay in addition to rendering himself/herformally confirmed by Seeina the tiple choice questions) and carry a maxi-Commission, it continues to be provi-10. Work Performed by self liable to criminal prosecution, be mum of 400 marks in the subjects set out Hearing/Speaking liable. sional. in sub-section (A) of Section-II. This 11. Work Performed by (a) to be disqualified by the The decision of the Commission as to the RW examination is meant to serve as a Commission from the examination eligibility or otherwise of a candidate for Reading and Writing screening test only; the marks obtained in for which he/she is a candidate admission to the Examination shall be С 12. Communication the Preliminary Examination by the candi-**Functional Classification** and/or Code dates who are declared qualified for (b) to be debarred either perma-Candidates should note that the name in 1. Both legs affected but admission to the Main Examination will nently or for a specified period the Admission Certificate in some cases. not arms not be counted for determining their final (i) by the Commission from any may be abbreviated due to technical rea-2. Both arms affected order of merit. The number of candidates examination or selection held by a. Impaired Reach sons. to be admitted to the Main Examination them: (ii) In the event of a candidate downloadb. Weakness of Grip. will be about twelve to thirteen times the (ii) by the Central Government ing more than one Admission Certificate c. ataxic total approximate number of vacancies to from any employment under them; BLA from the Commission's website, he/she 3. Both legs and both arms be filled in the year in the various should use only one of these Admission affected. Services and Posts. Only those candi-(c) if he/she is already in service Certificates for appearing in the exami-OL 4. One leg affected (R or L) dates who are declared by the under Government to disciplinary nation and report about the other(s) to the a. impaired reach Commission to have qualified in the b. weakness of grip action under the appropriate Rules. Commission's Office. Preliminary Examination in the year will (iii) Candidates are informed that as the Provided that no penalty under this Rules c. ataxic be eligible for admission to the Main shall be imposed except after Preliminary Examination is only a screen-5. One arm affected (R or Examination of that year provided they (i) giving the candidate an opportunity of ing test, no marks sheets will be supplied are otherwise eligible for admission to the making such representation, in writing as to successful or unsuccessful candidates a. impaired reach Main Examination. he/she may wish to make in that behalf; and no correspondence will be enterb. weakness of grip 3. Candidates who obtain such minimum tained by the Commission, in this regard. c. ataxic qualifying marks in the written part of the (ii) taking the representation, if any, sub-(iv) If a candidate receives an e-6.One arm and one leg Main Examination as may be fixed by the mitted by the candidate within the period Admission Certificate in respect of some affected Commission at their discretion, shall be allowed to him/her into consideration. other candidate the same should be MW 7. Muscular weakness. summoned by them for interview for a 6. Last date for receipt of applications: immediately returned to the Commission 8. Blind Personality Test vide sub-section 'C' of The Online Applications can be filled with a request to issue the correct e-LV 9. Low vision Section-II. Marks obtained in the papers up to 4th April 2013 till 11.59 pm after Admission Certificate. Candidates may 10. Hearing will be counted for ranking. The number which the link will be disabled. Note: The above list is subject to revinote that they will not be allowed to take of candidates to be summoned for inter-Correspondence the the examination on the strength of an 7. view will be about twice the number of 9. A candidate will be eligible to get the Commission: Admission Certificate issued in respect of vacancies to be filled. The Commission will not enter into any another candidate. benefit of community reservation only in Marks thus obtained by the candidates in (v) Candidates must ensure that their ecorrespondence with the candidates case the particular caste to which the the Main Examination (written part as well about their candidature except in the folmail IDs given in their online applications candidates belong is included in the list of as interview) would determine their final lowing cases: reserved communities issued by the are valid and active. ranking. Candidates will be allotted to the Important: All communications to the (i) The eligible candidates shall be issued Central Government. If a candidate indivarious Services keeping in view their an e-Admission Certificate three weeks cates in his/her application form for Civil Commission should invariably contain the ranks in the examination and the preferfollowing particulars. before the commencement of the exami-Services (Preliminary) Examination that ences expressed by them for the various nation. The e-Admission Certificate will 1. Name and year of the examination. he/she belongs to General category but Services and Posts. subsequently writes to the Commission to be made available on the UPSC website 2. Registration ID (RID) 3. Roll Number (if received) Section-II [www.upsc.gov.in] for downloading by change his/her category to a reserved 4. Name of candidate (in full and in block candidates. No Admission Certificate will one, such request shall not be enter-Scheme and subjects for the Preliminary letters) be sent by post. If a candidate does not tained by the Commission. Similar princiand Main Examinations. receive his e-Admission Certificate or any 5. Complete postal address as given in ple will be followed for physically disabled A. Preliminary Examination other communication regarding his/her the application. categories also. The Examination shall comprise two While the above principle will be followed candidature for the examination three N.B. I. Communication not containing compulsory papers of 200 marks each. in general, there may be a few cases weeks before the commencement of the the above particulars may not be Note (i) Both the question papers will be where there was a little gap (say 2-3 attended to. examination, he/she should at once conof the objective type (multiple choice tact the Commission. Information in this N.B. II. Candidates should also note months) between the issuance of a questions). regard can also be obtained from the down their RID number for future ref-Government Notification enlisting a par-(ii) The guestion papers will be set both in Facilitation Counter located in the erence. They may be required to inditicular community in the list of any of the Hindi and English. However, questions Commission's Office either in person or cate the same in connection with their reserved communities and the date of English relating to Language submission of the application by the canover phone Nos. 011-23381125/011candidature for the Civil Services Comprehension skills of Class X level will 23385271/011-23098543. In case no (Main) Examination. didate. In such cases the request of be tested through passages from English 8. The eligibility for availing reservation change of community from general to communication is received in the Language only without providing Hindi Commission's Office from the candiagainst the vacancies reserved for the reserved may be considered by the translation thereof in the question paper. date regarding non-receipt of his/her physically disabled persons shall be the Commission on merit. In case of a can-(iii) Details of the syllabi are indicated in same as prescribed in "The Persons with didate unfortunately becoming physically Admission Certificate atleast 3 weeks Part A of Section III. Opportunities, before the examination, he/she him-Disability (Equal disabled during the course of the exami-(iv) Each paper will be of two hours duration. self/herself will be solely responsible Protection Rights and nation, the candidate should produce of Full

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dates

Blind candidates will however, be allowed (vi) an extra time of twenty minutes at each

B. Main Examination

paper.

The written examination will consist of the following papers:

Paper-I **Section 1 Essay** 200 Marks **Section 2 English Comprehension**

& English Précis-100 Marks (of Matriculation/ Xth standard level) Paper-II

General Studies-I 250 Marks (Indian Heritage and Culture, History and

Geography of the World and Society) Paper-III

(Governance, Constitution, Polity, Social Justice and International relations)

General Studies -II

Paper-IV **General Studies -III** 250 Marks (Technology, Economic Development, Bio-diversity, Environment, Security

Paper-V **General Studies -IV**

(Ethics, Integrity and Aptitude) Paper-VI

and Disaster Management)

Personality Test

Grand Total

Optional Subject - Paper 1 250 Marks Paper-VII

Optional Subject - Paper 2 250 Marks Sub Total (Written test) 1800 Marks

subject from amongst the list of subjects given in para 2 below (Group 1). However, a candidate can opt for the literatures of a language, indicated in Group-2 below para 2, as an optional subject, only if the candidate has graduated in the literature of that particular language as the main subject).

{Candidates may choose any optional

NOTE: (i) Marks obtained by the candidates for all papers (Paper I-VII) will be counted for merit ranking. However, the Commission will have the discretion to fix qualifying marks in any or all papers of the examination. Note (ii) For the Language medium/

literature of languages, the script to be used by the candidates will be as under :-**Script** Language

Assamese Assamese Bengali Bengali Bodo Devanagari Dogri Devanagari Gujarati Gujarati Hindi Devanagari Kannada Kannada Kashmiri Persian Konkani Devanagari Maithili Devanagari Malayalam Malayalam Bengali Manipuri Marathi Devanagari Nepali Devanagari Oriya Oriya Punjabi Gurumukhi Sanskrit Devanagari Santhali Devanagari or Olchiki Sindhi Devanagari or Arabic Tamil Tamil Telugu Telugu Urdu Persian

Note: For Santhali language, question paper will be printed in Devanagari script; but candidates will be free to answer either in Devanagari script or in Olchiki.

2. List of optional subjects for Main **Examination:** Group-1

(i) Agriculture (ii)

- Animal Husbandry and Veterinary Science
- Anthropology (iii)
- (iv) Botany

Chemistry

- Commerce and Accountancy (vii)
- (viii) Economics
- (ix) Electrical Engineering
- (x) Geography
- (xi) Geology
- History (xii) (xiii) Law
- (xiv) Management (xv) Mathematics
- (xvi) Mechanical Engineering
- (xvii) Medical Science
- (xviii) Philosophy
- (xix) Physics
- (xx) Political Science and International Relations
- (xxi) Psychology
- (xxii) Public Administration (xxiii) Sociology
- (xxiv) Statistics
- (xxv) Zoology

Group-2 Literature of any one of the following

250 Marks

250 Marks

275 Marks

2075 Marks

languages: Assamese. Bengali, Bodo, Dogri, Gujarati, Hindi, Kannada, Kashmiri,

Konkani, Maithili, Malayalam, Manipuri,

Marathi, Nepali, Oriya, Punjabi, Sanskrit,

Santhali, Sindhi, Tamil, Telugu, Urdu and English. NOTE: (i) The question papers for the examina-

tion will be of conventional (essay) type. (ii) Each paper will be of three hours

(iii) Candidates will have the option to answer all the question papers, except

Section 2 of the Paper-I (English compre-

hension and English précis) in English or Hindi. If the candidate has had his/ her graduation in any of the following language mediums using the particular language medium for qualifying the graduate level examination, then he/she may opt for that particular language medium to

answer all the question papers, except

Section 2 of the Paper-I (English comprehension and English précis). Assamese, Bengali, Bodo, Dogri, Gujarati, Kannada, Kashmiri, Konkani, Maithili, Malayalam, Manipuri, Marathi, Nepali, Oriya, Punjabi, Sanskrit, Santhali, Sindhi, Tamil, Telugu, and Urdu. (iv) However, in the interest of maintaining the quality and standards of examination, a minimum number of 25 (twentyfive) candidates should opt for a specific language medium for answering the question papers in that language medium. In case there are less than 25 (twen-

tyfive) candidates opting for any

approved language medium (other than

English or Hindi), then those candidates

will be required to write their examination

either in Hindi or in English only.

(v) Candidates exercising the option to answer Papers in any one of the languages mentioned above may, if they so desire, give English version within brackets of only the description of the technical terms, if any, in addition to the version in the language opted by them. Candidates should, however, note that if they misuse

erwise accruing to them and in extreme cases; their script(s) will not be valued for being in an unauthorized medium. (vi) The question papers (other than the literature of language papers) will be set in Hindi and English only.

the above rule, a deduction will be made

on this account from the total marks oth-

(vii) The details of the syllabi are set out in Part B of Section III. "General Instructions (Preliminary as

well as Main Examination)": (i) Candidates must write the papers in

their own hand. In no circumstances, will they be allowed the help of a scribe to write the answers for them. However, blind candidates will be allowed to write the examination with the help of a scribe.Blind candidates will also be allowed an extra time of thirty minutes at each paper @ ten minutes per hour. (ii) An extra time of twenty minutes per hour shall be permitted for the candidates with locomotor disability and cerebral

palsy where dominant (writing) extremity

is affected to the extent of slowing the

performance of function (minimum of

40% impairment) in the Civil Services

(Main) Examination only. However, no

scribe shall be permitted to such candi-

Note 1: The eligibility conditions of a scribe, his/her conduct inside the examination hall and the manner in which and extent to which he/she can help the blind candidate in writing the Civil Services Examination shall be governed by the instructions issued by the UPSC in this regard. Violation of all or any of the said instructions shall entail the cancellation of the candidature of the blind candidate in addition to any other action that the UPSC may take against the scribe.

Note 2: For purpose of these rules the candidate shall be deemed to be a blind candidate if the percentage of visual impairment is 40% or more. The criteria for determining the percentage of visual impairment shall be as follows: All with corrections Percentage

	All With Col	rerecitage	
	Better eye	Worse eye	
Category 0	6/9-6/18	6/24 to 6/36	20%
Category I	6/18-6/36	6/60 to nil	40%
Category II	6/60-4/60	3/60 to nil	75%
	or field of		
	vision 10-20	0	
Category III	3/60-1/60	F.C. at 1 ft	100%
	or field of	to nil	
	vision 10 ⁰		
Category IV	FC. at 1 ft	F.C. at 1 ft	100%
	to nil field of	to nil field of	:
	vision 100^{0}	vision 100 ⁰	
One eyed	6/6	F.C. at 1 ft	30%
person		to nil	

Note 3: For availing of the concession admissible to a blind candidate, the candidate concerned shall produce a certificate in the prescribed proforma from a Medical Board constituted by the Central/State Governments alongwith his application for the Main Examination. Note 4: (i) The concession admissible to

to those suffering from Myopia. (ii) The Commission have discretion to fix qualifying marks in any or all the subjects of the examination. (iii) If a candidate's handwriting is not

blind candidates shall not be admissible

easily legible, a deduction will be made on this account from the total marks otherwise accruing to him. (iv) Marks will not be allotted for mere

superficial knowledge. (v) Credit will be given for orderly, effec-

tive and exact expression combined with due economy of words in all subjects of the examination. (vi) In the question papers, wherever

required, SI units will be used. (vii) Candidates should use only interna-

tional form of Indian numerals (i.e. 1,2,3,4,5,6 etc.) while answering question papers (viii) Candidates will be allowed the use

of Scientific (Non-Programmable type) Calculators at the conventional (Essay) examination type of UPSC. Programmable type calculators will however not be allowed and the use of such calculators shall tantamount to resorting to unfair means by the candidates. Loaning or interchanging of calculators in the Examination Hall is not permitted. It is also important to note that candidates are not permitted to use calculators for answering objective type papers (Test Booklets). They should not there-

Examination Hall.

The candidate will be interviewed by a

for a career in public service by a Board of competent and unbiased observers. The test is intended to judge the mental calibre of a candidate. In broad terms this is really an assessment of not only his intellectual qualities but also social traits and his interest in current affairs. Some of qualities to be judged are mental alertness, critical powers of assimilation, clear and logical exposition, balance of judgement, variety and depth of interest, ability for social cohesion and leadership, intellectual and moral integrity.

2. The technique of the interview is not

that of a strict cross-examination but of a

Board who will have before them a record

of his/her career. He/she will be asked

questions on matters of general interest.

The object of the interview is to assess

the personal suitability of the candidate

natural, though directed and purposive conversation which is intended to reveal the mental qualities of the candidate. 3. The interview test is not intended to be a test either of the specialised or general knowledge of the candidates which has been already tested through their written papers. Candidates are expected to have taken an intelligent interest not only in their special subjects of academic study but also in the events which are happening around them both within and outside

their own state or country as well as in modern currents of thought and in new

discoveries which should rouse the

Section-III

curiosity of well educated youth.

Syllabi for the Examination Part-A

Preliminary Examination The Examination shall comprise two compulsory papers of 200 marks each.

Paper I - (200 marks) Duration: Two hours Current events of national and

and

General issues on Environmental

Social

Sustainable

Bio-diversity and

and problem

international importance.

History of India and Indian National Movement.

- Indian and World Geography -Social, Physical, Economic Geography of India and the World.
- Indian Polity and Governance -Constitution, Political System, Panchayati Raj, Public Policy, Rights Issues, etc.
- **Economic** Development Development, Poverty, Inclusion, Demographics, Social Sector initiatives, etc.
- Ecology, Climate Change - that do not require subject specialisation

General Science. Paper II- (200 marks) Duration: Two hours

Comprehension

- Interpersonal skills including com-
- munication skills; Logical reasoning and analytical
- ability solving
- General mental ability Basic numeracy (numbers and
 - tude, etc.) (Class X level), Data interpretation (charts, graphs, tables, data sufficiency etc. -Class X level)
- English Language Comprehension skills (Class X level).

their relations, orders of magni-

Note 1: Questions relating to English Language Comprehension skills of Class fore, bring the same inside the X level (last item in the Syllabus of Paper-II) will be tested through passages from www.employmentnews.gov.in

English language only without providing Hindi translation thereof in the question

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Examination.

Note 2: The questions will be of multiple choice, objective type.

Note 3: It is mandatory for the candidate to appear in both the Papers of Civil Services (Prelim) Examination for the purpose of evaluation. Therefore a candidate will be disqualified in case he/she does not appear in both the papers of Civil Services (Prelim)

Part-B **Main Examination**

assess the overall intellectual traits and depth of understanding of candidates rather than merely the range of their information and memory. The nature and standard of questions in the General Studies papers (Paper II to

The main Examination is intended to

Paper V) will be such that a well-educated person will be able to answer them without any specialized study. The questions will be such as to test a candidate's general awareness of a variety of subjects, which will have relevance for a career in Civil Services. The questions are likely to test the candidate's basic understanding of all relevant issues and ability to analyze and take a view on conflicting socio- economic goals, objectives and demands. The candidates must give relevant, meaningful and succinct answers.

ours degree level i.e. a level higher than the bachelors' degree and lower than the masters' degree. In the case of Engineering, Medical Science and law, the level corresponds to the bachelors'

The scope of the syllabus for optional

subject papers (Paper VI and Paper VII)

for the examination is broadly of the hon-

Syllabi of the papers included in the scheme of Civil Services (Main) Examination are given as follows:-

PAPER-I

Essay: Candidates will be required to write an essay on a specific topic. The choice of subjects will be given. They will be expected to keep closely to the subject of the essay to arrange their ideas in orderly fashion and to write concisely. Credit will be given for effective and exact expression. English Comprehension & English

guage Comprehension and English pré-

cis writing (at 10th standard level). PAPER-II General Studies- I: Indian Heritage and Culture, History and Geography of the World and Society.

Precis will be to test the English lan-

- Indian culture will cover the salient aspects of Art Forms, Literature and Architecture from ancient to modern times.
- Modern Indian history from about the middle of the eighteenth century until the present- significant events, personalities, issues
- The Freedom Struggle its various stages and important contributors /contributions from different parts of the country. Post-independence consolidation
- and reorganization within the History of the world will include
- events from 18th century such as industrial revolution, world wars, redrawal of national boundaries, colonization, decolonization, political philosophies like communism, capitalism, socialism etc.- their
- forms and effect on the society. Salient features of Indian Society, Diversity of India.
- Role of women and women's organization, population and associated issues, poverty and

developmental issues, urbanization, their problems and their remedies. Effects of globalization on Indian

society Social empowerment, communal-

ism, regionalism & secularism. Salient features of world's physical geography. Distribution of key natural

resources across the world (including South Asia and the Indian sub-continent); factors responsible for the location of primary, secondary, and tertiary sector industries in various parts of the world (including India)

Important Geophysical phenomena such as earthquakes, Tsunami, Volcanic activity, cyclone etc., geographical features and their location- changes in critical geographical features (including water-bodies and ice-caps) and in flora and fauna and the effects of such changes.

PAPER-III General Studies- II: Governance, Constitution, Polity, Social Justice and International relations.

Indian Constitution- historical underpinnings, evolution, features, amendments, significant provisions and basic structure. Functions and responsibilities of

the Union and the States, issues and challenges pertaining to the federal structure, devolution of powers and finances up to local levels and challenges therein. Separation of powers between

various organs dispute redressal mechanisms and institutions. Comparison of the Indian constitutional scheme with that of other countries

Parliament and State Legislatures - structure, functioning, conduct of business, powers & privileges and issues arising out of these. Structure, organization and func-

tioning of the Executive and the Judiciary Ministries and Departments of the Government; pressure groups and formal/informal associations and their role in the Polity.

Salient features of the Representation of People's Act. Appointment to various Constitutional posts, powers,

functions and responsibilities of various Constitutional Bodies. Statutory, regulatory and various quasi-judicial bodies

their design and implementation.

Government policies and interventions for development in various sectors and issues arising out of

Development processes and the development industry- the role of NGOs, SHGs, various groups and associations, donors, charities, institutional and other stakeholders

sections of the population by the Centre and States and the performance of these schemes; mechanisms, laws, institutions and Bodies constituted for the protection and betterment of these vulnerable sections.

Welfare schemes for vulnerable

Issues relating to development and management of Social Sector/Services relating to Health, Education, Human Resources. Issues relating to poverty and

hunger. Important aspects of governance. transparency and accountability,

e-governance- applications, models, successes, limitations, and potential: citizens charters, transparency & accountability and institutional and other measures.

- Role of civil services in a democracy.
- India and its neighborhood- relations.
- Bilateral, regional and global groupings and agreements involving India and/or affecting India's interests
- Effect of policies and politics of developed and developing countries on India's interests, Indian diaspora.
- Important International institutions, agencies and fora- their structure, mandate.

PAPER-IV

Studies-III: General Technology, Economic Development, Bio diversity, **Environment, Security and Disaster** Management.

- Indian Economy and issues relating to planning, mobilization of resources, growth, development and employment.
- Inclusive growth and issues arising from it.
- Government Budgeting.
- Major crops cropping patterns in various parts of the country, different types of irrigation and irrigation systems storage, transport and marketing of agricultural produce and issues and related constraints; e-technology in the aid of

farmers Issues related to direct and indirect farm subsidies and minimum support prices; Public Distribution System- objectives, functioning, limitations, revamping; issues of buffer stocks and food security; Technology missions; economics of animal-rearing.

Food processing and related industries in India- scope and significance, location, upstream and downstream requirements, supply chain management. Land reforms in India.

Effects of liberalization on the

economy, changes in industrial policy and their effects on industrial growth. Infrastructure: Energy, Ports,

Roads, Airports, Railways etc.

Investment models. Science and Technology- developments and their applications and effects in everyday life

Achievements of Indians in science & technology; indigenization of technology and developing new technology.

Awareness in the fields of IT, Space, Computers, robotics, nano-technology, bio-technology and issues relating to intellectual property rights. Conservation, environmental pol-

lution and degradation, environmental impact assessment Disaster and disaster manage-

Linkages between development

and spread of extremism. Role of external state and non-

state actors in creating challenges to internal security. Challenges to internal security through communication networks,

role of media and social networking sites in internal security challenges, basics of cyber security; money-laundering and its prevention

Security challenges and their management in border areas; linkages of organized crime with terrorism

cies and their mandate

Various Security forces and agen-

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PAPER-V General Studies- IV: Ethics, Integrity,

and Aptitude

This paper will include questions to test the candidates' attitude and approach to issues relating to integrity, probity in public life and his problem solving approach to various issues and conflicts faced by him in dealing with society. Questions may utilise the case study approach to

determine these aspects. The following

broad areas will be covered.

- Ethics and Human Interface: Essence, determinants and consequences of Ethics in human actions; dimensions of ethics; ethics in private and public relationships. Human Values - lessons from the lives and teachings of great leaders, reformers and administrators; role of family, society and educational institutions in inculcating values.
- Attitude: content, structure, function; its influence and relation with thought and behaviour; moral and political attitudes; social influence and persuasion. Aptitude and foundational values
- for Civil Service, integrity, impartiality and non-partisanship, objectivity, dedication to public service, empathy, tolerance and compassion towards the weaker-sections. Emotional intelligence-concepts,
- and their utilities and application in administration and governance. Contributions of moral thinkers and philosophers from India and world.

Public/Civil service values and

Ethics in Public administration:

Status and problems; ethical concerns and dilemmas in government and private institutions; laws, rules, regulations and conscience as sources of ethical guidance; accountability and ethical governance; strengthening of ethical and moral values in governance; ethical issues in international relations and funding; corporate gov-

ernance.

public service; Philosophical basis of governance and probity; Information sharing and transparency in government, Right to Information, Codes of Ethics, Codes of Conduct, Citizen's Charters, Work culture, Quality of service delivery, Utilization of public funds, challenges of corruption.

Probity in Governance: Concept of

Case Studies on above issues.

PAPER-VI & PAPER VII Optional Subject Papers I & II

{Candidates may choose any optional subject from amongst the list of subjects given in para 2 below (Group 1). However, a candidate can opt for the literatures of a language, indicated in Group-2 below para 2, as an optional subject, only if the candidate has graduated in the literature of that particular language as the main subject }. **AGRICULTURE**

PAPER - I

Ecology and its relevance to man, natural resources, their sustainable management and conservation. Physical and social environment as factors of crop distribution and production. Agro ecology; cropping pattern as indicators of environments. Environmental pollution and associated hazards to crops, animals and humans. Climate change - International conventions and global initiatives. Green house effect and global warming. Advance tools for ecosystem analysis -Remote sensing (RS) and Geographic Information Systems (GIS). Cropping patterns in different agro-climat-

ic zones of the country. Impact of high-

yielding and short-duration varieties on

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shifts in cropping patterns. Concepts of and recurrent selections, combining abilivarious cropping and farming systems. Organic and Precision farming. Package of practices for production of important cereals, pulses, oil seeds, fibres, sugar,

ty, its significance in plant breeding. Heterosis and its exploitation. Somatic hybridization. Breeding for disease and pest resistance. Role of interspecific and intergeneric hybridization. Role of genetic engineering and biotechnology in crop improvement. Genetically modified crop

Important features and scope of various types of forestry plantations such as social forestry, agro-forestry, and natural forests. Propagation of forest plants. Forest products. Agro forestry and value

Seed production and processing techaddition. Conservation of forest flora and

nologies. Seed certification, seed testing and storage. DNA finger printing and seed registration. Role of public and private sectors in seed production and marketing. Intellectual Property Rights (IPR)

obic respiration; C3, C4 and CAM mech-

anisms. Carbohydrate, protein and fat

metabolism. Growth and development;

photoperiodism and vernalilzation. Plant

growth substances and their role in crop

production. Physiology of seed develop-

ment and germination; dormancy. Stress

physiology - draught, salt and water

Major fruits, plantation crops, vegetables,

spices and flower crops. Package prac-

tices of major horticultural crops.

Protected cultivation and high tech horti-

culture. Post harvest technology and

value addition of fruits and vegetables.

Landscaping and commercial floriculture.

Medicinal and aromatic plants. Role of

fruits and vegetables in human nutrition.

Diagnosis of pests and diseases of field

crops, vegetables, orchard and plantation

crops and their economic importance.

Classification of pests and diseases and

their management. Integrated pest and

disease management. Storage pests and

their management. Biological control of

pests and diseases. Epidemiology and

forecasting of major crop pests and dis-

eases. Plant quarantine measures.

Pesticides, their formulation and modes

Food production and consumption trends

in India. Food security and growing popu-

lation - vision 2020. Reasons for grain

surplus. National and international food

policies. Production, procurement, distri-

bution constraints. Availability of food

grains, per capita expenditure on food.

Trends in poverty, Public Distribution

System and Below Poverty Line popula-

tion, Targeted Public Distribution System

(PDS), policy implementation in context

to globalization. Processing constraints.

Relation of food production to National

Dietary Guidelines and food consumption

pattern. Food based dietary approaches

to eliminate hunger. Nutrient deficiency -

Micro nutrient deficiency: Protein Energy

Malnutrition (PEM or PCM), Micro nutri-

ent deficiency and HRD in context of

work capacity of women and children.

Food grain productivity and food security.

ANIMAL HUSBANDRY AND

PAPER - I

1.1 Partitioning of food energy within the

or

Protein

Calorie

Weeds, their characteristics, dissemination and association with various crops: their multiplications; cultural, biological, issues, WTO issues and its impact on and chemical control of weeds. Agriculture. Soil- physical, chemical and biological Principles of Plant Physiology with referproperties. Processes and factors of soil ence to plant nutrition, absorption, formation. Soils of India. Mineral and translocation and metabolism of nutriorganic constituents of soils and their role ents. Soil - water- plant relationship. in maintaining soil productivity. Essential Enzymes and plant pigments: photosynplant nutrients and other beneficial elethesis- modern concepts and factors ments in soils and plants. Principles of affecting the process, aerobic and anaer-

stress

of action.

Malnutrition

ommendations, integrated nutrient management. Biofertilizers. Losses of nitrogen in soil, nitrogen-use efficiency in submerged rice soils, nitrogen fixation in soils. Efficient phosphorus and potassium use. Problem soils and their reclamation. Soil factors affecting greenhouse gas

soil fertility, soil testing and fertilizer rec-

commercial and fodder crops.

emission. Soil conservation, integrated watershed management. Soil erosion and its management. Dry land agriculture and its problems. Technology for stabilizing agriculture production in rain fed areas.

Water-use efficiency in relation to crop production, criteria for scheduling irrigations, ways and means of reducing run-

off losses of irrigation water. Rainwater harvesting. Drip and sprinkler irrigation. Drainage of waterlogged soils, quality of irrigation water, effect of industrial effluents on soil and water pollution. Irrigation projects in India. Farm management, scope, importance

and characteristics, farm planning. Optimum resource use and budgeting. Economics of different types of farming systems. Marketing management strategies for development, market intelligence. Price fluctuations and their cost; role of co-operatives in agricultural economy; types and systems of farming and factors affecting them. Agricultural price policy. Crop Insurance. Agricultural extension, its importance and

role, methods of evaluation of extension

programmes, socio-economic survey and

status of big, small and marginal farmers

and landless agricultural labourers.

Training programmes for extension work-

ers. Role of Krishi Vigyan Kendra's (KVK)

in dissemination of Agricultural technolo-

gies. Non Government Organization

(NGO) and self-help group approach for

PAPER - II

Cell structure, function and cell cycle.

Chromosome structure, chromosomal

aberrations, linkage and cross-over, and

ogous series, crop genetic resources-

conservation and utilization. Application

of principles of plant breeding, improve-

ment of crop plants. Molecular markers

and their application in plant improve-

ment. Pure-line selection, pedigree, mass

Synthesis, structure and function of genetic material. Laws of heredity.

rural development.

their significance in recombination breeding. Polyploidy, euploids and aneuploids. Mutations - and their role in crop improvement. Heritability, sterility and incompatibility, classification and their application in crop improvement. Cytoplasmic inheritance, sex-linked, sex-influenced and sex-limited characters. History of plant breeding. Modes of repro-

duction, selfing and crossing techniques. Origin, evolution and domestication of crop plants, center of origin, law of homol-

1. Animal Nutrition:

expressing energy value of foods in ruminants, pigs and poultry. Energy requirements for maintenance, growth, pregnaninterrelationships. compounds in ruminant diets. Protein pregnancy, lactation, egg, wool and meat production. 1.3 Major and trace minerals - Their sources, physiological functions and deficiency symptoms. Toxic minerals. Mineral interactions. Role of fat-soluble and water soluble vitamins in the body, their sources and deficiency symptoms.

requirements for maintenance, growth,

1.4 Feed additives – methane inhibitors, probiotics, enzymes, antibiotics, hormones, oligosaccharides, antioxidants, emulsifiers, mould inhibitors, buffers etc. Use and abuse of growth promoters like hormones and antibiotics - latest concepts. 1.5 Conservation of fodders. Storage of feeds and feed ingredients. Recent advances in feed technology and feed

processing. Anti - nutritional and toxic factors present in livestock feeds. Feed analysis and quality control. Digestibility trials - direct, indirect and indicator methods. Predicting feed intake in grazing ani-1.6 Advances in ruminant nutrition. Nutrient requirements. Balanced rations. Feeding of calves, pregnant, work animals and breeding bulls. Strategies for

feeding milch animals during different stages of lactation cycle. Effect of feeding on milk composition. Feeding of goats for meat and milk production. Feeding of sheep for meat and wool production. 1.7 Swine Nutrition. Nutrient requirements. Creep, starter, grower and finisher rations. Feeding of pigs for lean meat production. Low cost rations for swine. 1.8 Poultry nutrition. Special features of

poultry nutrition. Nutrient requirements

for meat and egg production. Formulation

of rations for different classes of layers

cell

Haemoglobin synthesis and chemistry-

Plasma expanders-Buffer systems in

blood. Biochemical tests and their signifi-

formation-

and broilers. 2. Animal Physiology: 2.1 Physiology of blood and its circulation, respiration; excretion. Endocrine glands in health and disease. 2.2 Blood constituents - Properties and

functions-blood

plasma proteins production, classification properties, coagulation and blood; Haemorrhagic disorders-anticoagulants-blood groups-Blood volume-

cance in disease diagnosis. 2.3 Circulation - Physiology of heart, cardiac cycle, heart sounds, heart beat, electrocardiograms. Work and efficiency of heart-effect of ions on heart function-

metabolism of cardiac muscle, nervous and chemical regulation of heart, effect of temperature and stress on heart, blood pressure and hypertension, osmotic reg-

ulation, arterial pulse, vasomotor regula-

tion of circulation, shock. Coronary and

pulmonary circulation, Blood-Brain barri-

er- Cerebrospinal fluid- circulation in

2.4 Respiration - Mechanism of respira-

tion, Transport and exchange of gases

-neural control of respiration-chemo-

2.5 Excretion-Structure and function of

receptors-hypoxia-respiration in birds.

kidney-formation of urine-methods of studying renal function-renal regulation of acid-base balance: physiological constituents of urine-renal failure-passive venous congestion-Urinary secretion in

animal. Direct and indirect calorimetry. 2.6 Endocrine glands - Functional disorders their symptoms and diagnosis. Carbon - nitrogen balance and compara-Synthesis of hormones, mechanism and tive slaughter methods. Systems for control of secretion- hormonal receptors-

classification and function. 2.7 Growth and Animal Production-Prenatal and postnatal growth, maturation, growth curves, measures of growth, factors affecting growth, conformation,

eiection. Male and Female reproductive organs, their components and functions. Digestive organs and their functions. Environmental Physiology-Physiological relations and their regulation; mechanisms of adaptation, environmental factors and regulatory mechanisms involved in animal behaviour, cli-

tus of hormonal control of mammary

development, milk secretion and milk

matology - various parameters and their

importance. Animal ecology. Physiology

of behaviour. Effect of stress on health

3. Animal Reproduction: Semen quality- Preservation and Artificial Insemination- Components of semen, composition of spermatozoa, chemical

and physical properties of ejaculated semen, factors affecting semen in vivo

and production.

and in vitro. Factors affecting semen production and quality, preservation, composition of diluents, sperm concentration, transport of diluted semen. Deep freezing techniques in cows, sheep, goats, swine and poultry. Detection of oestrus and time of insemination for better conception. Anoestrus and repeat breeding. 4. **Production** Livestock Management:

Commercial Dairy Farming-Comparison of dairy farming in India with

advanced countries. Dairying under mixed farming and as specialized farming, economic dairy farming. Starting of a

dairy farm, Capital and land requirement, organization of the dairy Opportunities in dairy farming, factors determining the efficiency of dairy animal.

Herd recording, budgeting, cost of milk

production, pricing policy; Personnel Management. Developing Practical and Economic rations for dairy cattle; supply of greens throughout the year, feed and fodder requirements of Dairy Farm. Feeding regimes for young stock and bulls, heifers and breeding animals; new trends in feeding young and adult stock;

Feeding records. 4.2 Commercial meat, egg and wool production- Development of practical and economic rations for sheep, goats, pigs, rabbits and poultry. Supply of greens, fodder, feeding regimes for young and mature stock. New trends in enhancing

production and management. Capital and

land requirements and socio-economic

concept. 4.3 Feeding and management of animals under drought, flood and other natural 5. Genetics and Animal Breeding: History of animal genetics. Mitosis and

Meiosis: Mendelian inheritance; deviations to Mendelian genetics; Expression of genes; Linkage and crossing over; Sex determination, sex influenced and sex limited characters; Blood groups and

Cytoplasmic inheritance. Gene and its structure; DNA as a genetic material; Genetic code and protein synthesis; DNA technology. Recombinant Mutations, types of mutations, methods for detecting mutations and mutation rate. Trans-genesis.

polymorphism; Chromosome aberrations;

5.1 Population Genetics applied to

Animal Breeding- Quantitative Vs. qualitative traits; Hardy Weinberg Law; Population Vs. individual; Gene and chicken-Sweat glands and their function. Bio-chemical test for urinary dysfunction.

genotypic frequency; Forces changing gene frequency; Random drift and small populations; Theory of path coefficient; Inbreeding, methods of estimating coefficient, systems of inbreedina inbreeding, Effective population size; Breeding value, estimation of breeding value, dominance and epistatic deviation; Partitioning of variation; Genotype X envi-

ronment correlation and genotype X environment interaction; role of multiple

measurements; Resemblance between relatives. 5.2 Breeding Systems- Breeds of livest-

cy, lactation, egg, wool, and meat produc-1.2 Latest advances in protein nutrition. Energy protein Evaluation of protein quality. Use of NPN

body composition, meat quality. 2.8 Physiology of Milk Production, Reproduction and Digestion- Current stawww.employmentnews.gov.in

sock and Poultry. Heritability, repeatability and genetic and phenotypic correlations, their methods of estimation and precision of estimates; Aids to selection and their relative merits; Individual, pedigree, family and within family selection; Progeny testing; Methods of selection; Construction of selection indices and their uses; Comparative evaluation of genetic gains through various selection methods; Indirect selection and correlat-

of domestic animals viz. pregnant cows and sows, milking cows, broiler birdsstress, strain and productivity in relation to animal habitation. 2. Animal Diseases: 2.1 Etiology, epidemiology pathogenesis, symptoms, postmortem lesions, diagnosis, and control of infectious diseases of cattle, sheep and goat, horses, pigs and poultry. ed response; Inbreeding, out breeding, 2.2 Etiology, epidemiology, symptoms, upgrading, cross-breeding and synthesis diagnosis, treatment of production disof breeds; Crossing of inbred lines for eases of cattle, horse, pig and poultry.

commercial production; Selection for 2.3 Deficiency diseases of domestic anigeneral and specific combining ability; mals and birds. 2.4 Diagnosis and treatment of non-spe-Breeding for threshold characters. Sire index. cific conditions like impaction, Bloat, 6. Extension: Basic philosophy, objectives, concept stroke, poisoning. and principles of extension. Different

and

Histological

Methods adopted to educate farmers under rural conditions. Generation of technology, its transfer and feedback. Problems and constraints in transfer of technology. Animal husbandry programmes for rural development. PAPER - II

1. Anatomy, Pharmacology

Histology and

ing - Freezing microtomy- Microscopy-

Techniques: Paraffin embedding technique of tissue processing and H.E. stain-

Hygiene:

Bright field microscope and electron microscope. Cytology-structure of cell, organells and inclusions; cell division-cell types- Tissues and their classificationembryonic and adult tissues-Comparative histology of organs-Vascular. Nervous, digestive, respiratory, musculo- skeletal and urogenital systems- Endocrine glands -Integuments-sense organs. 1.2 Embryology - Embryology of vertebrates with special reference to aves and

domestic mammals gametogenesis-fertilization-germ layers- foetal membranes and placentation-types of placenta in domestic mammals-Teratology-twins and twinning- organogenesis -germ layer derivatives- endodermal, mesodermal and ectodermal derivates. 1.3 Bovine Anatomy- Regional Anatomy: Paranasal sinuses of OX- surface anatomy of salivary glands. Regional anatomy of infraorbital, maxillary, mandibuloalveolar, mental and cornual nerve block.

Regional anatomy of paravertebral nerves, pudendal nerve, median ulnar and radial nerves-tibial, fibular and digital nerves-Cranial nerves-structures involved in epidural anaesthesia-superficial lymph nodes-surface anatomy of visceral organs of thoracic, abdominal and pelvic cavities-comparative features of locomotor apparatus and their application in the biomechanics of mammalian body. 1.4 Anatomy of Fowl- Musculo-skeletal system-functional anatomy in relation to respiration and flying, digestion and egg production. 1.5 Pharmacology and therapeutic drugs - Cellular level of pharmacodynamics and pharmacokinetics. Drugs acting on fluids and electrolyte balance. Drugs acting on Autonomic nervous system. Modern con-

cepts of anaesthesia and dissociative anaesthetics. Autacoids. Antimicrobials and principles of chemotherapy in microbial infections. Use of hormones in therapeutics- chemotherapy of parasitic infections. Drug and economic concerns in the Edible tissues of animals- chemotherapy of Neoplastic diseases. Toxicity due to insecticides, plants, metals, non-metals, zootoxins and mycotoxins. 1.6 Veterinary Hygiene with reference to

water, air and habitation - Assessment of pollution of water, air and soil- Importance of climate in animal health- effect of environment on animal function and performance-relationship between industrialization and animal agriculture- animal housing requirements for specific categories

Diarrhoea, Indigestion, dehydration, 2.5 Diagnosis and treatment of neurological disorders. 2.6 Principles and methods of immunization of animals against specific diseasesherd immunity- disease free zones- 'zero' disease concept- chemoprophylaxis. 2.7 Anaesthesia- local, regional and general-preanesthetic medication. Symptoms and surgical interference in fractures and dislocation. Hernia, choking

2.8 Disease investigation techniques.-Materials for laboratory investigation-Establishment of Animal Health Centers-Disease free zone. 3. Veterinary Public Health: 3.1 Zoonoses. - Classification, definition, role of animals and birds in prevalence and transmission of zoonotic diseases-

disease

Epidemiological features of air, water and

food borne infections. OIE regulations,

WTO, sanitary and phytosanitary meas-

collection of samples for veterolegal

toned, double toned, sterilized, homoge-

abomasal displacement- Caesarian oper-

ations. Rumenotomy-Castrations.

occupational zoonotic diseases. 3.2 Epidemiology- Principle, definition of

epidemiological terms, application of epidemiological measures in the study of

and

diseases

ures.

investigation.

3.3 Veterinary Jurisprudence- Rules and Regulations for improvement of animal quality and prevention of animal diseases

- State and central rules for prevention of animal and animal product borne diseases- S P C A- Veterolegal cases-Certificates -Materials and Methods of

control.

4. Milk and Milk Products Technology: 4.1 Market Milk: Quality, testing and grading of raw milk. Processing, packaging, storing, distribution, marketing, defects and their control. Preparation of the following milks: Pasteurized, standardized,

nized, reconstituted, recombined and flavoured milks. Preparation of cultured milks, cultures and their management, yoghurt, Dahi, Lassi and Srikhand. Preparation of flavoured and sterilized milks. Legal standards. Sanitation requirement for clean and safe milk and for the milk plant equipment. 4.2 Milk Products Technology: Selection of raw materials, processing, storing, distributing and marketing milk products

such as Cream, Butter, Ghee, Khoa, Channa. Cheese. condensed ed, dried milk and baby food, Ice cream and Kulfi; by-products, whey products, butter milk, lactose and casein. Testing, grading, judging milk products- BIS and Agmark specifications, legal standards, quality control and nutritive properties. Packaging, processing and operational control. Costing of dairy products. 5. Meat Hygiene and Technology: 5.1 Meat Hygiene. 5.1.1 Ante mortem care and management of food animals, stunning, slaughter and dressing operations; abattoir requirements and designs; Meat inspection procedures and judgment of carcass meat cuts- grading of carcass meat cuts- duties and functions of Veterinarians in wholesome meat production. 5.1.2 Hygienic methods of handling pro-

duction of meat- Spoilage of meat and control measures- Post - slaughter physicochemical changes in meat and factors that influence them- Quality improvement methods - Adulteration of

meat and detection - Regulatory provisions in Meat trade and Industry. 5.2 Meat Technology. 5.2.1 Physical and chemical characteristics of meat- Meat emulsions- Methods of preservation of meat- Curing, canning,

irradiation, packaging of meat and meat products, processing and formulations. 5.3 By- products- Slaughter house byproducts and their utilization- Edible and inedible by products- Social and economic implications of proper utilization of slaughter house by-products- Organ products for food and pharmaceuticals. 5.4 Poultry Products Technology-Chemical composition and nutritive value of poultry meat, pre - slaughter care and management. Slaughtering techniques,

meat products.

products. Grading of wool.

PAPER - I 1.1 Meaning, scope and development of Anthropology. 1.2 Relationships with other disciplines:

5.5 Rabbit/Fur Animal farming - Rabbit

meat production. Disposal and utilization

of fur and wool and recycling of waste by

ANTHROPOLOGY

Life Sciences, Medical Sciences, Earth Sciences and Humanities. 1.3 Main branches of Anthropology, their scope and relevance: (a) Social- cultural Anthropology.

Biological Anthropology.

Social Sciences, Behavioural Sciences,

(d) Linguistic Anthropology. 1.4 Human Evolution and emergence of (a) Biological and Cultural factors in

Archaeological Anthropology.

(Pre- Darwinian, Darwinian and Post-(c) Synthetic theory of evolution; Brief outline of terms and concepts of

human evolution.

Evolutionary

Taxonomy;

evolutionary biology (Doll's rule, Cope's rule, Gause's rule, parallelism, convergence, adaptive radiation, and mosaic evolution). Primates; Characteristics of

and

Trend

Primate

Taxonomy; Primate Behaviour; Tertiary and Quaternary fossil primates; Living Major Primates; Comparative Anatomy of Man and Apes; Skeletal changes due to erect posture and its implications. 1.6 Phylogenetic status, characteristics and geographical distribution of the fol-

Homo erectus: (Paranthropus), Europe (Homo erectus heidelber-gensis), Asia (Homo erectus javanicus, Homo erectus pekinensis).

(d) Rhodesian man. Homo sapiens

Synthesis,

Gene,

(b) Cultural Evolution- Broad Outlines of Prehistoric cultures:

(a) Principles of Prehistoric Archaeology. Chronology: Relative and Dating methods.

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Paleolithic Mesolithic (iii) Neolithic

(iv) Chalcolithic (v) Copper-Bronze Age

(vi) Iron Age 2.1 The Nature of Culture: The concept and characteristics of culture and civiliza-

tion; Ethnocentrism vis-à-vis cultural Relativism. 2.2 The Nature of Society: Concept of Society; Society and Culture; Social

Institutions; Social groups; and Social stratification. 2.3 Marriage: Definition and universality; Laws of marriage (endogamy, exogamy,

hypergamy, hypogamy, incest taboo); Types of marriage (monogamy, polygamy, polyandry, group marriage). Functions of marriage; Marriage regulations (preferential, prescriptive and proinspection, preservation of poultry meat scriptive); Marriage payments (bride and products. Legal and BIS standards. wealth and dowry). Structure, composition and nutritive value 2.4 Family: Definition and universality; of eggs. Microbial spoilage. Preservation Family, household and domestic groups; and maintenance. Marketing of poultry functions of family; Types of family (from meat, eggs and products. Value added

the perspectives of structure, blood relation, marriage, residence and succession); Impact of urbanization, industrialization and feminist movements on fami-2.5 Kinship: Consanguinity and Affinity; Principles and types of descent

(Unilineal, Double, Bilateral, Ambilineal);

Forms of descent groups (lineage, clan,

phratry, moiety and kindred); Kinship ter-

5. Religion: Anthropological approaches

to the study of religion (evolutionary, psy-

chological and functional); monotheism

and polytheism; sacred and profane;

myths and rituals; forms of religion in trib-

al and peasant societies (animism, ani-

totemism); religion, magic and science

distinguished; magico- religious func-

Morgan and Frazer)

American)

(c) Functionalism

Brown)

fetishism, naturism

evolutionism

Diffusionism (British, German and

Structural- functionlism (Radcliffe

Neo - evolutionism (Childe, White,

Steward, Sahlins and Service)

(h) Symbolic and interpretive theories

Cognitive theories (Tyler, Conklin)

(Turner, Schneider and Geertz)

and

(Tylor,

(Boas);

(Malinowski);

minology (descriptive and classificatory); Descent, Filiation and Complimentary Filiation; Descent and Alliance. 3. Economic organization: Meaning, scope and relevance of economic anthro-

pology; Formalist and Substantivist debate; Principles governing production, distribution and exchange (reciprocity. redistribution and market), in communi-

ties, subsisting on hunting and gathering, fishing, swiddening, pastoralism, horticul-

ture, and agriculture; globalization and indigenous economic systems.

matism,

4. Political organization and Social Control: Band, tribe, chiefdom, kingdom (b) Theories of Organic Evolution and state; concepts of power, authority and legitimacy; social control, law and justice in simple societies.

(Arboreal and Terrestrial) Primate tionaries (priest, shaman, medicine man, sorcerer and witch). 6. Anthropological theories: (a) Classical (b) Historical particularism

Primate

Adaptations;

Africa

Neanderthal Man- La-Chapelle-auxsaints (Classical type), Mt. Carmel (Progressive type).

Grimaldi and Chancelede. 1.7 The biological basis of life: The Cell, DNA structure and replication, Protein

- Cromagnon.

Mutation,

language; verbal and non-verbal commu-

(j) Post- modernism in anthropology 7. Culture, language and communication: Nature, origin and characteristics of

(a) Plio-pleistocene hominids in South and East Africa - Australopithecines.

Chromosomes, and Cell Division.

(g) Cultural materialism (Harris)

Structuralism (L'evi - Strauss and E. Leach) (e) Culture and personality (Benedict, Mead, Linton, Kardiner and Cora - du

- nication; social context of language use.
- 8. Research methods in anthropology: (a) Fieldwork tradition in anthropology
- Distinction between technique. method and methodology Tools of data collection: observation,
- interview, schedules, questionnaire, Case study, genealogy, life-history, oral history, secondary sources of information, participatory methods.
- (d) Analysis, interpretation and presen-

tation of data.

- 9.1 Human Genetics: Methods and Application: Methods for study of genetic principles in man-family study (pedigree analysis, twin study, foster child, co-twin method, cytogenetic method, chromosomal and karyo-type analysis), biochemical methods, immunological methods,
- nologies. 9.2 Mendelian genetics in man-family study, single factor, multifactor, lethal, sub-lethal and polygenic inheritance in

D.N.A. technology and recombinant tech-

- 9.3 Concept of genetic polymorphism and selection, Mendelian population, Hardy-Weinberg law; causes and changes which bring down frequency - mutation, isolation, migration, selection, inbreeding and genetic drift. Consanguineous and non-consanguineous mating, genetic load, genetic effect of consanguineous
- 9.4 Chromosomes and chromosomal aberrations in man, methodology. (a) Numerical and structural aberrations

and cousin marriages.

(disorders). Sex chromosomal aberrations -

Klinefelter (XXY), Turner (XO), Super

- female (XXX), intersex and other syndromic disorders. Autosomal aberrations - Down syndrome, Patau, Edward and Cri-duchat syndromes.
- (d) Genetic imprints in human disease. genetic screening, genetic counseling, human DNA profiling, gene mapping and genome study.
- 9.5 Race and racism, biological basis of morphological variation of non-metric and metric characters. Racial criteria, racial traits in relation to heredity and environ-
- ment; biological basis of racial classification, racial differentiation and race crossing in man. 9.6 Age, sex and population variation as genetic marker- ABO, Rh blood groups, HLA Hp, transferring, Gm, blood enzymes. Physiological characteristics-Hb level, body fat, pulse rate, respiratory functions and sensory perceptions in dif-

ferent cultural and socio-economic

groups

- 9.7 Concepts and methods of Ecological Anthropology. Bio-cultural Adaptations -Genetic and Non- genetic factors. Man's physiological responses to environmental stresses: hot desert, cold, high altitude 9.8 Epidemiological Anthropology: Health
- and disease. Infectious and non-infectious diseases. Nutritional deficiency related diseases. 10. Concept of human growth and development: stages of growth - pre-natal,

natal, infant, childhood, adolescence,

maturity, senescence Factors affecting growth and development genetic, environmental, biochemical, nutritional, cultural and socio-economic.

Ageing and senescence. Theories

- and observations biological and chronological longevity. Human physique and somatotypes. Methodologies for growth studies. 11.1 of menarche, Relevance
- menopause and other bioevents to fertility. Fertility patterns and differentials. 11.2 Demographic theories- biological, social and cultural.

11.3 Biological and socio-ecological fac-

tors influencing fecundity, fertility, natality

Siwaliks

- and mortality. **12.** Applications of Anthropology: Anthropology of sports, Nutritional anthropology, Anthropology in designing of defence and other equipments, Forensic Anthropology, Methods and principles of personal identification and reconstruction, Applied human genetics Paternity diagnosis, genetic counseling and eugenics, DNA technology in dis-
 - 1.1 Evolution of the Indian Culture and Civilization — Prehistoric (Palaeolithic, Mesolithic, Neolithic and Neolithic -Chalcolithic). Protohistoric (Indus Civilization): Pre- Harappan, Harappan and post-Harappan cultures. Contributions of tribal cultures to Indian civilization.

1.2 Palaeo – anthropological evidences

from India with special reference to

Narmada

basin

and

eases and medicine, serogenetics and

PAPER - II

cytogenetics in reproductive biology.

- (Ramapithecus, Sivapithecus Narmada Man). 1.3 Ethno-archaeology in India: The concept of ethno-archaeology; Survivals and Parallels among the hunting, foraging, fishing, pastoral and peasant communities including arts and crafts producing communities.
- and linguistic elements in the Indian population and their distribution. Indian population - factors influencing its structure and growth. 3.1 The structure and nature of traditional Indian social system — Varnashram, Purushartha, Karma, Rina and Rebirth.

3.2 Caste system in India- structure and

Theories of origin of caste system,

Varna and

characteristics.

2. Demographic profile of India — Ethnic

- Dominant caste, Caste mobility, Future of caste system, Jajmani system, Tribecaste continuum. 3.3 Sacred Complex and Nature- Man-Spirit Complex.
- 3.4 Impact of Buddhism, Jainism, Islam and Christianity on Indian society. 4. Emergence and growth of anthropolo-
- gy in India-Contributions of the 18th, 19th and early 20th Century scholar-administrators. Contributions of Indian anthropol-

5.1 Indian Village: Significance of village

ogists to tribal and caste studies.

- study in India; Indian village as a social system; Traditional and changing patterns of settlement and inter-caste relations; Agrarian relations in Indian villages; Impact of globalization on Indian villages. 5.2 Linguistic and religious minorities and their social, political and economic status. 5.3 Indigenous and exogenous processes of socio-cultural change in Indian society: Sanskritization, Westernization, Moderni-zation; Inter-play of little and great traditions; Panchayati raj and social
- variability, linguistic and socio-economic characteristics of tribal populations and their distribution. 6.2 Problems of the tribal Communities land alienation, poverty, indebtedness,

6.1 Tribal situation in India – Bio-genetic

change; Media and social change.

- low literacy, poor educational facilities, unemployment, underemployment, 6.3 Developmental projects and their impact on tribal displacement and problems of rehabilitation. Development of
- forest policy and tribals. Impact of urbanization and industrialization on tribal populations. 7.1 Problems of exploitation and deprivation of Scheduled Castes, Scheduled
- Tribes and Other Backward Classes. Constitutional safeguards for Scheduled Tribes and Scheduled Castes. 7.2 Social change and contemporary tribal societies: Impact of modern democratic institutions, development programmes

and welfare measures on tribals and

- weaker sections.
- 7.3 The concept of ethnicity; Ethnic conflicts and political developments; Unrest among tribal communities; Regionalism and demand for autonomy; Pseudo-tribalism; Social change among the tribes during colonial and post-Independent India. 8.1 Impact of Hinduism, Buddhism, Christianity, Islam and other religions on
- tribal societies. 8.2 Tribe and nation state — a comparative study of tribal communities in India and other countries. 9.1 History of administration of tribal
- of tribal development and their implementation. The concept of PTGs (Primitive Tribal Groups), their distribution, special programmes for their development. Role of N.G.O.s in tribal development.

9.2 Role of anthropology in tribal and

areas, tribal policies, plans, programmes

- rural development. 9.3 Contributions of anthropology to the understanding of regionalism, communa-
- lism, and ethnic and political movements. **BOTANY**

PAPER - I

1. Microbiology and Plant Pathology: Structure and reproduction/multiplication of viruses, viroids, bacteria, fungi and

mycoplasma; Applications of microbiolo-

gy in agriculture, industry, medicine and in control of soil and water pollution; Prion and Prion hypothesis. Important crop diseases caused by viruses, bacteria, mycoplasma, fungi and nematodes: Modes of infection and dissemination; Molecular basis of infection resistance/defence; disease Physiology of parasitism and control measures; Fungal toxins; Modelling and

disease forecasting; Plant quarantine.

2. Cryptogams: Algae, fungi, lichens, bryophytes, pterido-

phytes - structure and reproduction from evolutionary viewpoint; Distribution of Cryptogams in India and their ecological and economic importance. 3. Phanerogams: Gymnosperms: Concept of Progymnosperms; Classification and distribution of

gymnosperms; Salient features of Cycada-les, Ginkgoales, Coniferales and Gnetales, their structure and reproduction; General account of Cycadofilicales, Bennettitales and Cordaitales; Geological time scale; Type of fossils and their study techniques. Angiosperms: Systematics, anatomy,

embryology, palynology and phylogeny. Taxonomic hierarchy; International Code of Botanical Nomenclature: Numerical taxonomy and chemotaxonomy; Evidence from anatomy, embryology and palynology. Origin and evolution of angiosperms; Comparative account of various systems of classification of angiosperms; Study of

angiospermic families - Mangnoliaceae,

Ranunculaceae, Brassicaceae. Rosaceae, Fabaceae, Euphorbiaceae, Malvaceae, Dipterocarpaceae, Apiaceae, Asclepiadaceae, Verbenaceae, Solanaceae, Rubiaceae, Cucurbitaceae, Astera-ceae, Poaceae. Arecaceae. Liliaceae, Musaceae and Orchidaceae. Stomata and their types; Giandular and non-glandular trichomes; Unusual secondary growth; Anatomy of C3 and C4 plants; Xylem and phloem differentiation; Wood anatomy. Development of male and female game-

Endosperm - its development and function; Patterns of embryo development; Polyembroyony and apomixes; Applications of palynology; Experimental embryology including pollen storage and test-tube fertilization.

pollination,

fertilization;

4. Plant Resource Development:

tophytes,

Domestication and introduction of plants; Origin of cultivated plants; Vavilov's centres of origin; Plants as sources for food, fodder, fibre, spices, beverages, edible oils, drugs, narcotics, insecticides, timber, gums, resins and dyes, latex, cellulose, starch and its products; Perfumery; Importance of Ethnobotany in Indian context; Energy plantations; Botanical

5. Morphogenesis: Totipotency, polarity, symmetry and dffer-

Gardens and Herbaria.

entiation; Cell, tissue, organ and protoplast culture; Somatic hybrids and Cybrids; Micropropagation; Somaclonal variation and its applications; Pollen haploids, embryo rescue methods and their applications. PAPER - II

1. Cell Biology:

Techniques of cell biology; Prokaryotic

and eukaryotic cells - structural and ultrastructural details: Structure and function of extracellular matrix (cell wall), membranes-cell adhesion, membrane transport and vesicular transport; Structure and function of cell organelles (chloroplasts, mitochondria, ER, dictyosomes ribosomes, endosomes, lysosomes, peroxisomes); Cytoskelaton and microtubules; Nucleus, nucleolus, nuclear pore complex; Chromatin and nucleosome;

Cell signalling and cell receptors; Signal

transduction; Mitosis and meiosis;

Molecular basis of cell cycle; Numerical

and structural variations in chromosomes

and their significance; Chromatin organi-

zation and packaging of genome;

Polytene chromosomes; B-chromosomes

structure, behaviour and significance.

2. Genetics, Molecular Biology and **Evolution:** Development of genetics; Gene versus allele concepts (Pseudoalleles):

Quantitative genetics and multiple fac-

tors; Incomplete dominance, polygenic inheritance, multiple alleles; Linkage and crossing over; Methods of gene mapping, including molecular maps (idea of mapping function); Sex chromosomes and sex-linked inheritance, sex determination and molecular basis of sex differentiation; Mutations (biochemical and molecular basis); Cytoplasmic inheritance and cytoplasmic genes (including genetics of male sterility). Structure and synthesis of nucleic acids

and proteins; Genetic code and regula-

tion of gene expression; Gene silencing;

Multigene families; Organic evolution -

evidences, mechanism and theories.

Role of RNA in origin and evolution.

3. Plant Breeding, Biotechnology and **Biostatistics:** Methods of plant breeding – introduction,

selection and hybridization (pedigree, backcross, mass selection, bulk method); Mutation, polyploidy, male sterility and heterosis breeding; Use of apomixes in plant breeding; DNA sequencing; Genetic engineering - methods of transfer of genes; Transgenic crops and biosafety aspects; Development and use of molecular markers in plant breeding; Tools and techniques - probe, southern blotting, DNA fingerprinting, PCR and FISH. Standard deviation and coefficient of variation (CV); Tests of significance (Z-test, t-

4. Physiology and Biochemistry: Water relations, mineral nutrition and ion

Poisson); Correlation and regression.

test and chi-square test); Probability and

distributions (normal, binomial and

deficiencies: mineral transport, Photosynthesis - photochemical reactions; photophosphorylation and carbon fixation pathways; C3, C4 and CAM pathways; Mechanism of phloem transport; Respiration (anerobic and aerobic, including fermentation) - electron transport chain and oxidative phosphorylation; Photorespiration; Chemiosmotic theory

and ATP synthesis; Lipid metabolism;

Nitrogen fixation and nitrogen metabo-

lism; Enzymes, coenzymes; Energy

transfer and energy conservation;

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pigments and phytochrome); Plant movements; Photoperiodism and flowering, vernalization, senescence; Growth substances - their chemical nature, role and applications in agri-horticulture; Growth indices, growth movements; Stress physiology (heat, water, salinity, metal); Fruit and seed physiology; Dormancy, storage and germination of seed; Fruit ripening -

Importance of secondary metabolites;

Pigments as photoreceptors (plastidial

its molecular basis and manipulation. 5. Ecology and Plant Geography:

Concept of ecosystem; Ecological factors; Concepts and dynamics of community; Plant succession; Concept of bios-Ecosystems; Conservation; Pollution and its control (including phyindicators; toremediation); Plant

Environment (Protection) Act. Forest types of India - Ecological and economic importance of forests, afforestation, deforestation and social forestry; Endangered plants, endemism, IUCN categories, Red Data Books; Biodiversity and its conservation; Protected Area Network; Convention on

Biological Diversity; Farmers' Rights and Intellectual Property Rights; Concept of Sustainable Development; Biogeochemical cycles; Global warming and climatic change; Invasive species; Environmental Impact Assessment; Phytogeographical regions of India.

CHEMISTRY PAPER - I

principle, Heisenberg's uncertainty Schrodinger wave equation (time independent); Interpretation of wave function, particle in one-dimensional box, quantum numbers, hydrogen atom wave functions; Shapes of s, p and d orbitals.

2. Chemical Bonding: lonic bond, characteristics of ionic com-

1. Atomic Structure:

pounds, lattice energy, Born-Haber cycle; covalent bond and its general characteristics, polarities of bonds in molecules and their dipole moments; Valence bond theory, concept of resonance and resonance energy; Molecular orbital theory (LCAO method); bonding in H₂+, H₂, He2+ to Ne2, NO, CO, HF, and CN-; Comparison of valence bond and molecular orbital theories, bond order, bond

3. Solid State: Crystal systems; Designation of crystal

strength and bond length.

faces, lattice structures and unit cell; Bragg's law; X-ray diffraction by crystals; Close packing, radius ratio rules, calculation of some limiting radius ratio values; Structures of NaCl, ZnS, CsCl and CaF2; Stoichiometric and nonstoichiometric defects, impurity defects, semi-conduc-4. The Gaseous State and Transport

Phenomenon: Equation of state for real gases, inter-

molecular interactions and critical phenomena and liquefaction of gases, Maxwell's distribution of speeds, intermolecular collisions, collisions on the wall and effusion; Thermal conductivity and viscosity of ideal gases. 5. Liquid State: Kelvin equation; Surface tension and sur-

face energy, wetting and contact angle, interfacial tension and capillary action. 6. Thermodynamics: Work, heat and internal energy; first law

of thermodynamics.

Second law of thermodynamics; entropy as a state function, entropy changes in various processes, entropy-reversibility

and irreversibility, Free energy functions; Thermodynamic equation of state; Maxwell relations; Temperature, volume and pressure dependence of U, H, A, G, C_D and $C_V \alpha$ and β ; J-T effect and inversion temperature; criteria for equilibrium, relation between equilibrium constant

and thermodynamic quantities; Nernst

heat theorem, introductory idea of third

law of thermodynamics. 7. Phase Equilibria and Solutions: Clausius-Clapeyron equation; phase diagram for a pure substance; phase equilibria in binary systems, partially miscible liquids-upper and lower critical solution temperatures; partial molar quantities,

their significance and determination;

excess thermodynamic functions and

Debye-Huckel theory of strong elec-

trolytes and Debye-Huckel limiting Law

for various equilibrium and transport

Galvanic cells, concentration cells; elec-

trochemical series, measurement of

e.m.f. of cells and its applications fuel

Processes at electrodes; double layer at

the interface; rate of charge transfer, cur-

rent density; overpotential; electro-analyt-

ical techniques: Polarography, amperom-

etry, ion selective electrodes and their

Differential and integral rate equations for

zeroth, first, second and fractional order

reactions; Rate equations involving

reverse, parallel, consecutive and chain

reactions; branching chain and explo-

sions; effect of temperature and pressure

on rate constant; Study of fast reactions

by stop-flow and relaxation methods;

Absorption of light; decay of excited state

by different routes; photochemical react-

ions between hydrogen and halogens

11. Surface Phenomena and Catalysis:

Absorption from gases and solutions on

solid adsorbents, Langmuir and B.E.T.

adsorption isotherms; determination of

surface area, characteristics and mech-

anism of reaction on heterogeneous

Metal ions in biological systems and their

role in ion transport across the mem-

branes (molecular mechanism), oxygen-

uptake proteins, cytochromes and ferre-

(i) Bonding theories of metal complexes;

Valence bond theory, crystal field theory

and its modifications; applications of the-

ories in the explanation of magnetism and

(ii) Isomerism in coordination com-

pounds; IUPAC nomenclature of coordi-

nation compounds; stereochemistry of

complexes with 4 and 6 coordination

numbers; chelate effect and polynuclear

complexes; trans effect and its theories;

kinetics of substitution reactions in

square-planer complexes; thermodynam-

(iii) EAN rule, Synthesis structure and

reactivity of metal carbonyls; carboxylate

anions, carbonyl hydrides and metal

(iv) Complexes with aromatic systems,

synthesis, structure and bonding in metal

olefin complexes, alkyne complexes and

cyclopentadienyl complexes; coordina-

tive unsaturation, oxidative addition reac-

tions, insertion reactions, fluxional mole-

Compounds with metal-metal bonds and

Boranes, borazines, phosphazenes and

cyclic phosphazene, silicates and sili-

cones, Interhalogen compounds; Sulphur

nitrogen compounds, noble gas com-

15. General Chemistry of 'f' Block

Lanthanides and actinides; separation,

oxidation states, magnetic and spectral

properties; lanthanide contraction.

characterization;

their

ic and kinetic stability of complexes.

nitrosyl compounds.

and

metal atom clusters.

Elements:

14. Main Group Chemistry:

electronic spectra of metal complexes.

12. Bio-inorganic Chemistry:

13. Coordination Compounds:

Collisions and transition state theories.

their determination.

cells and batteries

9. Chemical Kinetics:

10. Photochemistry:

and their quantum yields.

catalysts.

doxins.

properties.

8. Electrochemistry:

PAPER - II

1. Delocalised Covalent Bonding: Aromaticity, anti-aromaticity; annulenes,

azulenes, tropolones, fulvenes, sydnones. 2. (i) Reaction Mechanisms: General methods (both kinetic and non-kinetic) of study of mechanism of organic reactions: isotopic method, cross-over experiment,

intermediate trapping, stereochemistry; energy of activation; thermodynamic control and kinetic control of reactions. (ii) Reactive Intermediates: Generation, geometry, stability and reactions of carbonium ions and carbanions, free radicals, carbenes, benzynes and nitrenes.

(iii) Substitution Reactions: S_N1 , S_N2 and S_Ni mechanisms; neighbouring group participation; electrophilic and nucleophilic reactions of aromatic compounds including heterocyclic compounds-pyrrole, furan, thiophene and indole.

(iv) Elimination Reactions: E1, E2 and E1cb mechanisms; orientation in E2 reactions-Saytzeff and Hoffmann; pyrolytic syn elimination - Chugaev and Cope eliminations. (v) Addition Reactions: Electrophilic addition to C=C and C=C; nucleophilic

(vi) Reactions and Rearrangements: (a) Pinacol-pinacolone, Hoffmann, Beckmann, Baeyer-Villiger, Favorskii, Fries, Claisen, Cope, Stevens and Wagner-Meerwein rearrangements.

(b) Aldol condensation, Claisen condensation, Dieckmann, Perkin, Knoevenagel, Witting, Clemmensen, Wolff-Kishner, Cannizzaro and von Richter reactions; Stobbe, benzoin and acyloin condensations; Fischer indole synthesis, Skraup

Bischler-Napieralski,

Reimer-Tiemann

Reformatsky reactions. 3. Pericyclic Reactions:

synthesis,

Sandmeyer,

ural rubber.

and carbonyls.

Classification and examples; Woodward-Hoffmann rules - electrocyclic reactions,

and sigmatropic shifts [1, 3; 3, 3 and 1, 5] FMO approach. 4. (i) Preparation and Properties of Polymers: Organic polymers-polyethylene, polystyrene, polyvinyl chloride,

teflon, nylon, terylene, synthetic and nat-

cycloaddition reactions [2+2 and 4+2]

(ii) Biopolymers: Structure of proteins, DNA and RNA.

5. Synthetic Uses of Reagents: OsO₄, HIO₄, CrO₃, Pb(OAc)₄, SeO₂,

NBS, B₂H₆, Na-Liquid NH₃, LiAlH₄, NaBH₄, n-BuLi and MCPBA. 6. Photochemistry:

Photochemical reactions of simple organ-

ic compounds, excited and ground states, singlet and triplet states, Norrish-Type I and Type II reactions. 7. Spectroscopy: Principle and applications in structure

Charge transfer spectra.

(i) Rotational: Diatomic molecules; isotopic substitution and rotational constants. (ii) Vibrational: Diatomic molecules, lin-

ear triatomic molecules, specific frequen-

- cies of functional groups in polyatomic molecules. (iii) Electronic: Singlet and triplet states; $N{\to}\pi^*$ and $\pi\pi^*{\to}$ transitions; application to conjugated double bonds and gated carbonyls-Woodward-Fieser rules;
- (iv) Nuclear Magnetic Resonance (1H NMR): Basic principle; chemical shift and spin-spin interaction and coupling con-
- base peak, metastable peak, McLafferty rearrangement. CIVIL ENGINEERING

PAPER - I 1. Engineering Mechanics, Strength of Materials and Structural Analysis:

motion, fluid statics including forces act-

Concept of Force, Concept of particle and rigid body. Concurrent, Non Concurrent and parallel forces in a plane, moment of force, free body diagram, conditions of equilibrium, Principle of virtual work,

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motion under uniform and nonuniform

acceleration, motion under gravity.

Kinetics of particle: Momentum and

distribution across cross sections, Beams

to beams and pin jointed trusses. Slope-

equivalent force system. First and Second Moment of area, Mass moment of Inertia. Static Friction.

Kinematics and Kinetics: Kinematics in Cartesian Co-ordinates,

Energy principles, collision of elastic bodies, rotation of rigid bodies.

1.2 Strength of Materials: Simple Stress and Strain, Elastic con-

stants, axially loaded compression members, Shear force and bending moment, theory of simple bending, Shear Stress

Deflection of beams: Macaulay's method, Mohr's Moment area method, Conjugate beam method, unit load method. Torsion

of uniform strength.

of Shafts, Elastic stability of columns, Euler's Rankine's and Secant formulae. addition to C=0, C=N, conjugated olefins 1.3 Structural Analysis:

Castiglianio's theorems I and II, unit load method of consistent deformation applied

deflection, moment distribution, Rolling loads and Influences lines: Influences lines for Shear Force and Bending moment at a section of beam. Criteria for maximum shear force and

system of moving loads. Influences lines for simply supported plane pin jointed trusses. Arches: Three hinged, two hinged and fixed arches, rib shortening and temperature effects. Matrix methods of analysis: Force

method and displacement method of

sis, statical method, Mechanism method.

Unsymmetrical bending: Moment of iner-

tia, product of inertia, position of Neutral

bending Moment in beams traversed by a

analysis of indeterminate beams and rigid Plastic Analysis of beams and frames: Theory of plastic bending, plastic analy-

Axis and Principle axes, calculation of bending stresses. 2. Design of Structures: Steel,

Concrete and Masonry Structures: 2.1 Structural Steel Design:

Structural Steel: Factors of safety and load factors. Riveted, bolted and welded joints and connections. Design of tension and compression member, beams of built up section, riveted and welded plate girders, gantry girders, stancheons with battens and lacings.

2.2 Design of Concrete and Masonry Concept of mix design. Reinforced

Concrete: Working Stress and Limit State method of design-Recommendations of I.S. codes Design of one way and two way slabs, stair-case slabs, simple and continuous beams of rectangular, T and L sections. Compression members under

direct load with or without eccentricity, Cantilever and Counter fort type retaining Water tanks: Design requirements for Rectangular and circular tanks resting on

Prestressed concrete: Methods and systems of prestressing, anchorages, (v) Mass Spectrometry: Parent peak,

Analysis and design of sections for flexure based on working stress, loss of pre-

Design of brick masonry as per I.S. Codes

3. Fluid Mechanics, Open Channel Flow and Hydraulic Machines:

3.1 Fluid Mechanics: Fluid properties and their role in fluid

1.1 Engineering Mechanics:

Units and Dimensions, SI Units, Vectors,

ing on plane and curved surfaces. Kinematics and Dynamics of Fluid flow: Velocity and accelerations, stream lines, equation of continuity, irrotational and

stream functions.

Similitude:

parameters.

3.3 Laminar Flow:

strength characteristics. Types of plastering, pointing, flooring, roofing and construction features. Common repairs in buildings. rotational flow, velocity potential and Principles of functional planning of build-

ing for residents and specific use -Building code provisions. Basic principles of detailed and approxi-

their specific uses - Factors affecting

selection of equipments - operating cost

Construction Planning

Construction activity - schedules- organ-

ization for construction industry - Quality

Use of Basic principles of network -

analysis in form of CPM and PERT - their

use in construction monitoring, Cost opti-

Basic principles of Economic analysis

Project profitability - Basic principles of

2. Surveying and Transportation

Common methods and instruments for

distance and angle measurement for CE

work - their use in plane table, traverse

survey, leveling work, triangulation, con-

Basic principles of photogrammetry and

Permanent way - components, types and

their functions - Functions and Design

Necessity of geometric design of track -

Principles of Highway alignments - clas-

sification and geometrical design ele-

Pavement structure for flexible and rigid

pavements - Design principles and

Typical construction methods and stan-

dards of materials for stabilized soil,

Surface and sub-surface drainage

arrangements for roads - culvert struc-

Pavement distresses and strengthening

Traffic surveys and their applications in

traffic planning - Typical design features

for channelized, intersection, rotary etc -

signal designs - standard Traffic signs

3. Hydrology, Water Resources and

Hydrological cycle, precipitation, evapo-

ration, transpiration, infiltration, overland

flow, hydrograph, flood frequency analy-

sis, flood routing through a reservoir,

channel flow routing-Muskingam method.

Specific yield, storage coefficient, coeffi-

cient of permeability, confined and uncon-

fined equifers, aquifers, aquitards, radial

flow into a well under confined and

Ground and surface water resource, sin-

gle and multipurpose projects, storage

capacity of reservoirs, reservoir losses,

Water requirements of crops: con-

sumptive use, duty and delta, irriga-

tion methods and their efficiencies.

Canals: Distribution systems for

canal irrigation, canal capacity,

canal losses, alignment of main and

distributory canals, most efficient

section, lined canals, their design,

regime theory, critical shear stress,

3.3 Water Resources Engineering:

WBM, Bituminous works and CC roads.

constituents of turn and crossings

touring and topographical map.

2.2 Railway Engineering:

Design of station and yards.

2.3 Highway Engineering:

methodology of pavements.

tures.

and markings.

Engineering:

3.1 Hydrology:

3.2 Ground water flow:

unconfined conditions.

reservoir sedimentation.

(ii)

3.4 Irrigation Engineering:

ments and standards for Roads.

Boot approach to financial planning

mization and resource allocation.

simple toll fixation criterions.

salinity. Canal structures: Design of, head

metering flumes and canal outlets.

Diversion headwork: Principles and design of weirs of permeable and impermeable foundation, Khosla's theory, energy dissipation.

Storage works: Types of dams, design, principles of rigid gravity, stability analysis. (vii) Spillways: Spillway types, energy

(viii) River training: Objectives of river training, methods of river training. 4. Environmental Engineering:

4.1 Water Supply:

Predicting demand for water, impurities of water and their significance, physical,

dissipation.

chemical and bacteriological analysis, waterborne diseases, standards for potable water. 4.2 Intake of water: Water treatment: principles of coagulation, flocculation and sedimentation; slow-; rapid-, pressure-, filters; chlorina-

tion, softening, removal of taste, odour

and salinity. 4.3 Sewerage systems: Domestic and industrial wastes, storm

sewage-separate and combined systems, flow through sewers, design of

sewers. 4.4 Sewage characterization: BOD, COD, solids, dissolved oxygen, nitrogen and TOC. Standards of disposal

in normal watercourse and on land.

4.5 Sewage treatment: Working principles, units, chambers, sed-

imentation tanks, trickling filters, oxidation ponds, activated sludge process, septic tank, disposal of sludge, recycling of wastewater. 4.6 Solid waste: Collection and disposal in rural and urban contexts, management of long-term ill

Sustainable development. Radioactive wastes and disposal. Environmental impact assessment for thermal power

pollution. Pollution control acts.

5. Environmental pollution:

COMMERCE AND ACCOUN-**TANCY** PAPER - I **Accounting and Finance**

plants, mines, river valley projects. Air

Accounting, Taxation & Auditing 1. Financial Accounting: Accounting as a Financial Information System; Impact of Behavioural Sciences.

Accounting Standards e.g., Accounting for Depreciation, Inventories, Research and Development Costs, Long-term

Contracts,

Share

Revenue

Capital

and

Recognition, Fixed Assets, Contingencies, Foreign Exchange Transactions, Investments and Government Grants, Cash Flow Statement, Earnings Per Share.

for

and Buy- Back of Securities.

Transactions including Bonus Shares,

Right Shares, Employees Stock Option

Construction

Accounting

Company Final Accounts. Amalgamation, Absorption Reconstruction of Companies. 2. Cost Accounting:

Preparation and Presentation

Installation of Cost Accounting System.

Cost Concepts related to Income Measurement, Profit Planning, Cost Control and Decision Making. Methods of Costing: Job Costing,

Nature and Functions of Cost Accounting.

Process Costing, Activity Based Costing. Volume - cost - Profit Relationship as a tool of Profit Planning. Incremental Analysis/ Differential Costing

as a Tool of Pricing Decisions. Product Decisions, Make or Buy Decisions, Shut-

tion, Navier-Stokes equation, Euler's equation of motion, application to fluid mate estimating - specification writing flow problems, pipe flow, sluice gates, and rate analysis – principles of valuation of real property. weirs. Machinery for earthwork, concreting and 3.2 **Dimensional Analysis** and

Laminar flow between parallel, stationary and moving plates, flow through tube.

3.4 Boundary layer: Laminar and turbulent boundary layer on a flat plate, laminar sub layer, smooth and

Buckingham's Pi-theorem, dimensionless

rough boundaries, drag and lift. Turbulent flow through pipes: Characteris-tics of turbulent flow, velocity distribution and variation of pipe friction

factor, hydraulic grade line and total energy line. 3.5 Open channel flow: Uniform and non-uniform flows, momen-

tum and energy correction factors, specific energy and specific force, critical depth, rapidly varied flow, hydraulic jump,

gradually varied flow, classification of surface profiles, control section, step method of integration of varied flow equation. Hydraulic **Machines** Hydropower:

- Hydraulic turbines, types classification, Choice of turbines, performance parameters, controls, characteristics, specific
- speed. Principles of hydropower development. 4. Geotechnical Engineering: Soil Type and structure - gradation and particle size distribution - consistency limits.

Water in soil - capillary and structural effective stress and pore water pressure permeability concept – field and labora-

tions - Shear strength determination -Mohr Coulomb concept. Compaction of soil - Laboratory and field tests. Compressibility and consolidation con-

tory determination of permeability -

Seepage pressure - quick sand condi-

cept - consolidation theory - consolidation settlement analysis. Earth pressure theory and analysis for retaining walls, Application for sheet piles and Braced excavation.

Bearing capacity of soil - approaches for analysis - Field tests - settlement analysis - stability of slope of earth walk. Subsurface exploration of soils - meth-

Foundation - Type and selection criteria

for foundation of structures - Design cri-

teria for foundation – Analysis of distribu-

tion of stress for footings and pile - pile group action-pile load test. Ground improvement techniques. PAPER - II

Management: 1.1 Construction Technology: **Engineering Materials:**

Planning

Technology,

Physical properties of construction materials with respect to their use in construc-

Construction

Equipment.

tion - Stones, Bricks and Tiles; Lime, Cement, different types of Mortars and Concrete. Specific use of ferro cement, fibre reinforced C.C, High strength concrete. Timber, properties and defects - common

preservation treatments. Use and selection of materials for specific use like Low Cost Housing, Mass Housing, High Rise Buildings. 1.2 Construction:

Masonry principles using Brick, stone, Blocks - construction detailing and

Continuity, momentum and energy equa-

of Equipments.

Manage-ment:

and methods.

Engineering:

2.1 Surveying:

remote sensing.

assurance principles.

1.3

bed load. (iii) Water logging: causes and control,

regulators, canal falls, aqueducts,

Reduction: Budgeting as a Tool of Planning and Control. Standard Costing and Variance Analysis.

Down Decisions etc.

Responsibility Accounting and Divisional Performance Measurement.

3. Taxation: Income Tax: Definitions; Basis of Charge;

Incomes which do not form Part of Total Income. Simple problems of Computation of Income (of Individuals only) under Various Heads, i.e., Salaries, Income from House Property, Profits and Gains

from Business or Profession, Capital

Gains, Income from other sources,

Income of other Persons included in

Techniques of Cost Control and Cost

Assessee's Total Income . Set - Off and Carry Forward of Loss. Deductions from Gross Total Income. Salient Features/Provisions Related to

VAT and Services Tax. 4. Auditina: Company Audit: Audit related to Divisible

Tax audit.

Audit of Banking, Insurance, Non-Profit Organizations Charitable and Societies/Trusts/Organizations. Financial Management, Financial **Institutions and Markets**

Profits, Dividends, Special investigations,

1. Financial Management: Finance Function: Nature, Scope and Objectives of Financial Management: Risk and Return Relationship.

Tools of Financial Analysis: Ratio Analysis, Funds-Flow and Cash-Flow Statement. Capital Budgeting Decisions: Process, Procedures and Appraisal Methods. Risk

and Uncertainty Analysis and Methods. Cost of capital: Concept, Computation of Specific Costs and Weighted Average Cost of Capital. CAPM as a Tool of

Determining Cost of Equity Capital. Financing Decisions: Theories of Capital Structure - Net Income (NI) Approach, Net Operating Income (NOI) Approach, MM Approach and Traditional Approach.

Designing of Capital structure: Types of

Leverages (Operating, Financial and Combined), EBIT- EPS Analysis, and other Factors. Dividend Decisions and Valuation of Firm: Walter's Model, MM Thesis, Gordan's Model Lintner's Model. Factors Affecting Dividend Policy. Working Capital Management: Planning

of Working Capital. Determinants of Working Capital. Components of Working Capital Cash, Inventory and Receivables. Corporate Restructuring with focus on Mergers and Acquisitions (Financial aspects only) 2. Financial Markets and Institutions:

Indian Financial System: An Overview

Money Markets: Participants, Structure

and Instruments. Commercial Banks.

Reforms in Banking sector. Monetary and

Credit Policy of RBI. RBI as a Regulator.

Capital Market: Primary and Secondary

Venture Capital, Credit Rating Agencies,

Human Resource Management

Market. Financial Market Instruments and Innovative Debt Instruments; SEBI as a Regulator. Financial Services: Mutual Funds,

PAPER - II Organisation Theory and Behaviour,

Insurance and IRDA.

and Industrial Relations **Organisation Theory and Behaviour** 1. Organisation Theory: Nature and Concept of Organisation; External Environment of Organizations -

Technological, Social, Political, Economical and Legal; Organizational Goals - Primary and Secondary goals, Single and Multiple Goals; Management by Objectives.

Evolution of Organisation Theory:

Classical, Neo-classical and Systems

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Railways, Money and Credit.

The Pre Liberalization Era:

Indian

V.K.R.V. Rao.

agriculture.

land tenure

tage industries.

their in.

(v) Broad

Independence:

3. Money - Banking and Finance:

Instruments

of money.

(b)

(c)

rates.

Demand for and Supply of Money:

Money Multiplier Quantity Theory of

Friedman) and Keyne's Theory on

Demand for Money, Goals and

Management in Closed and Open

Economies. Relation between the

Central Bank and the Treasury.

Proposal for ceiling on growth rate

Public Finance and its Role in

Market Economy: In stabilization of

supply, allocation of resources and

in distribution and development.

Sources of Govt. revenue, forms of

Taxes and Subsidies, their inci-

dence and effects. Limits to taxa-

tion, loans, crowding-out effects

and limits to borrowings. Public

(ii) Terms of Trade and Offer Curve.

(iii) Product Cycle and Strategic

(iv) Trade as an engine of growth

and theories of under development

Forms of Protection: Tariff and

Balance of Payments Adjustments:

(i) Price versus income, income

adjustments under fixed exchange

(iii) Exchange rate adjustments

for

(v) Trade Policy and Developing

(vi) BOP, adjustments and Policy

Coordination in open economy

(viii) Trade Blocks and Monetary

Domestic Measures, Different

(i) Theories of growth: Harrod's

(ii) Lewis model of development

Balanced

(v) Research and Development and

Process of Economic Development

of Less developed countries:

Myrdal and Kuzments on economic

change: Role of Agriculture in

Economic Development of less

International Trade and Investment,

Development: changing role of

Markets and Planning, Private-

Welfare indicators and measures of

growth - Human Development

Indices. The basic needs approach.

Development and Environmental

Sustainability - Renewable and

Intergenerational equity develop-

Renewable

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Economy

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WTO: TRIMS, TRIPS,

Human Capital and

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Economic

Resources,

Degradation,

Pre-

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Floating Rates and their

Developing

Theories

Expenditure and its effects.

(i) Comparative Advantage

and New

in an open economy.

Alternative Approaches.

(ii) Theories of Policy Mix

Countries: Currency Boards.

(vii) Speculative attacks

Rounds of WTO talks.

5. Growth and Development:

with surplus labour

Unbalanced growth,

Economic Growth.

Economic Growth

development

Economic

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Independence Era:

Public Partnership

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developed countries.

Role of Multinationals.

under capital mobility

Implications

Countries.

Unions.

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(iv)

macro-model.

4. International Economics:

International Trade

Trade Theories.

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Monetary

(Fisher, Pique

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Approach.

Modern

Organisational

Challenges;

Designing

Information

Process.

Management

Organizational

(HRM):

Management of Change.

Industrial Relations

Wage

Union Movement.

Remedies.

ILO and its Functions.

(a) Marshallian

Rate Structure.

2. Industrial Relations (IR):

Union Legislation, Trade

Evaluation,

Decentralization

Organisational Culture. Organisational

and Organic Structures.

Theory:

Concepts of Organisation

Structure

Differentiation

Design,

Design-Basic

Organizational

and

and

Process:

Organisational

Integration Process; Centralization and

Standardization / Formalization and

Mutual Adjustment. Coordinating Formal

and Informal Organizations. Mechanistic

structures-Authority and Control; Line

and Staff Functions, Specialization and

Coordination. Types of Organization

Structure -Functional. Matrix Structure,

Project Structure. Nature and Basis of

Power, Sources of Power, Power

Structure and Politics. Impact of

Meaning and Concept; Individual in

organizations: Personality, Theories, and

Determinants; Perception - Meaning and

Motivation: Concepts, Theories and

Applications. Leadership-Theories and

Styles. Quality of Work Life (QWL):

Meaning and its impact on Performance,

Ways of its Enhancement. Quality Circles

(QC) - Meaning and their Importance.

Organizations. Transactional Analysis,

Human Resources Management and

1. Human Resources Management

Meaning, Nature and Scope of HRM,

Human Resource Planning, Job Analysis,

Job Description, Job Specification,

Recruitment Process, Selection Process,

Orientation and Placement, Training and

Development Process, Performance

Appraisal and 360° Feed Back, Salary

Promotions, Transfers and Separations.

Meaning, Nature, Importance and Scope

of IR, Formation of Trade Unions, Trade

Movement in India. Recognition of Trade

Unions, Problems of Trade Unions in

India. Impact of Liberalization on Trade

Nature of Industrial Disputes: Strikes

and Lockouts, Causes of Disputes,

Worker's Participation in Management:

Philosophy, Rationale, Present Day

Adjudication and Collective Bargaining.

Industrial Relations in Public Enterprises,

Absenteeism and Labour Turnover in

Indian Industries and their Causes and

ECONOMICS

PAPER - I

and

Approaches to Price determination.

(b) Alternative Distribution Theories:

(c) Markets Structure: Monopolistic

Competition, Duopoly, Oligopoly.

(d) Modern Welfare Criteria: Pareto

Approaches to Employment Income and

Interest Rate determination: Classical,

Keynes (IS-LM) curve, Neo classical syn-

thesis and New classical, Theories of

Interest Rate determination and Interest

Scitovsky,

Impossibility Theorem, A.K. Sen's

Walrasiam

Arrow's

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1. Advanced Micro Economics:

Ricardo, Kaldor, Kaleeki

&

Social Welfare Function.

2. Advanced Macro Economics:

Status and Future Prospects.

Prevention and Settlement of Disputes.

Employee

Administration,

of

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Effectiveness.

Job

Welfare.

Union

Organizational Design and Structure.

Managing Organizational Culture.

2. Organisation Behaviour:

Technology

Economy

(i) Contribution of Vakil, Gadgil and

(ii) Agriculture: Land Reforms and

Revolution and capital formation in

(iii) Industry Trends in composition

and growth, Role of public and pri-

vate sector, Small scale and cot-

(iv) National and Per capita income:

patterns, trends, aggregate and

Sectoral composition and changes

factors

poverty and inequality.

and multinationals.

The Post Liberalization Era:

processing,

bution system, Impact of public

expenditure on agricultural growth.

(ii) New Economic Policy and

Industry: Strategy of industrializa-

tion, Privatization, Disinvestments,

Role of foreign direct investment

(iii) New Economic Policy and

Trade: Intellectual property rights:

Implications of TRIPS, TRIMS,

(iv) New Exchange Rate Regime:

Partial and full convertibility, Capital

(v) New Economic Policy and

Finance:

Responsibility Act, Twelfth Finance

Commission and Fiscal Federalism

(vi)New Economic Policy and

Monetary system. Role of RBI

From

GATS and new EXIM policy.

account convertibility.

and Fiscal Consolidation.

under the new regime.

Constitutional amendments.

Employment: Employment and poverty, Rural wages, Employment

Generation, Poverty alleviation

schemes, New Rural, Employment

ELECTRICAL ENGINEERING

PAPER - I

work theorems and applications; tran-

sient analysis: RL, RC and RLC circuits;

sinusoidal steady state analysis; reso-

nant circuits; coupled circuits; balanced

(vii) Planning:

Public

Land System and its Commercialization of agriculture, Drain theory, Laissez faire theory and critique. Manufacture and Transport: Jute, Cotton,

system, Green

changes.

after

4. Analog Electronics:

Characteristics and equivalent circuits (large and small-signal) of Diode, BJT,

JFET and MOSFET. Diode circuits: clipping, clamping, rectifier. Biasing and bias

stability. FET amplifiers. Current mirror; Amplifiers: single and multi-stage, differential, operational, feedback and power. Analysis of amplifiers; frequencyresponse of amplifiers. OPAMP circuits.

ing power supplies.

Boolean functions; logic gates; digital IC

cuits, code converters, multiplexers and determining decoders. Sequential circuits: latches National Income and distribution, and flip-flops, counters and shift-regis-Measures of poverty, Trends in ters. Comparators, timers, multivibrators. Sample and hold circuits, ADCs and DACs. Semiconductor memories. Logic (i) New Economic Reform and implementation using programmable Agriculture: Agriculture and WTO, devices (ROM, PLA, FPGA). Subsidies, 6. Energy Conversion: Agricultural prices and public distri-Principles of electromechanical energy

> conversion: Torque and emf in rotating machines. DC machines: characteristics

and performance analysis; starting and speed control of motors; Transformers: principles of operation and analysis; reg-

ulation, efficiency; 3-phase transfor-mers.

control rectifiers; bridge converters: fully-

controlled and half-controlled; principles

of thyristor choppers and inverters; DC-

DC converters; Switch mode inverter;

Linear CW modulation: Amplitude modu-

lation: DSB, DSB-SC and SSB. Modulators and Demodulators; Phase

and Frequency modulation: PM & FM sig-

nals; narrowband FM; generation &

detection of FM and PM, Deemphasis,

Preemphasis. CW modulation system:

Superhetrodyne receivers, AM receivers,

communication receivers, FM receivers,

phase locked loop, SSB receiver Signal

to noise ratio calculation for AM and FM

PAPER - II

Elements of control systems; block-dia-

gram representation; open-loop & closed-

loop systems; principles and applications

of feed-back. Control system compo-

nents. LTI systems: time-domain and

transform-domain analysis. Stability:

Routh Hurwitz criterion, root-loci, Bode-

plots and polar plots, Nyquist's criterion;

Design of lead-lad compensators.

Proportional, PI, PID controllers. State-

variable representation and analysis of

ming, interrupts, memory interfacing, I/O

interfacing, programmable peripheral

functions.

3-phase induction machines and synchronous machines: characteristics and preformance analysis; speed control. 7. Power Electronics and Electric Drives:

Semiconductor power devices: diode, transistor, thyristor, triac, GTO and MOS-FET-static characteristics and principles of operation; triggering circuits; phase

basic concepts of speed control of dc and ac Motor drives applications of variablespeed drives. 8. Analog Communication:

probability, probability Statistical averages; probability models;

Random signals and noise: white noise,

receivers.

1. Control Systems:

control systems.

noise equivalent bandwidth; signal transmission with noise; signal to noise ratio.

(viii) New Economic Policy and

central Planning to indicative planning,

Fiscal

Random variables: continuous, discrete;

Relation between planning and markets for growth and decentralized planning: 73rd and 74th

Circuit components; network graphs; KCL, KVL; circuit analysis methods: nodal analysis, mesh analysis; basic net-

1. Circuit Theory:

3. E.M. Theory:

Guarantee Scheme.

3-phase circuits; Two-port networks. 2. Signals & Systems: Representation of continuous-time and discrete-time signals & systems; LTI systems; convolution; impulse response;

based on convolution and differential/difference equations. Fourier transform, Laplace transform, Z-transform, Transfer function. Sampling and recovery of signals DFT, FFT Processing of analog signals through discrete-time systems.

time-domain analysis of LTI systems

Maxwell's equations, wave propagation in

bounded media. Boundary conditions, reflection and refraction of plane waves.

Transmission line: travelling and standing waves, impedance matching, Smith

2. Microprocessors and Microcomputers: PC organisation; CPU, instruction set, register set, timing diagram, program-

Employment News 16- 22 March 2013

- Filters; sinusoidal oscillators: criterion for oscillation; single-transistor and OPAMP configurations. Function generators and
- wave-shaping circuits. Linear and switch-

5. Digital Electronics: Boolean algebra; minimization of

families (DTL, TTL, ECL, MOS, CMOS). Combina-tional circuits: arithmetic cir-

tourism.

- 3. Measurement and Instrumentation: Error analysis; measurement of current, voltage, power, energy, power-factor, resistance, inductance, capacitance and frequency; bridge measurement. Signal conditioning circuit; Electronic measuring instruments: multimeter, CRO, digital voltmeter, frequency counter, Q-meter, spectrum-analyzer, distortion-meter. Transducers: thermocouple, thermistor, LVDT, strain-gauge, piezo-electric crystal.
- 4. Power Systems: Analysis and Control: Steady-state performance of overhead

transmission lines and cables; principles of active and reactive power transfer and distribution: per-unit quantities: bus admittance and impedance matrices; load flow; voltage control and power factor correction; economic operation; symme-trical components, analysis of symmetrical and unsymmetrical faults. Concept of system stability: swing curves and equal area criterion. Static VAR system. Basic concepts of HVDC transmis-

generator, transformer protection; numeric relays and application of DSP to pro-

5. Power System Protection:

Principles of overcurrent, differential and

distance protection. Concept of solid

state relays. Circuit breakers. Computer

aided protection: Introduction; line bus,

6. Digital Communication: Pulse code modulation (PCM), differential pulse code modulation (DPCM), delta modulation (DM), Digital modulation and demodulation schemes: amplitude, phase and frequency keying schemes (ASK, PSK, FSK). Error control coding: error detection and correction, linear codes, convolution codes. Information measure and source coding.

PAPER - I PRINCIPLES OF GEOGRAPHY

GEOGRAPHY

Data networks, 7-layer architecture.

Physical Geography: 1. Geomorphology: Factors controlling

- landform development; endogenetic and exogenetic forces; Origin and evolution of the earth's crust; Fundamentals of geomagnetism; Physical conditions of the earth's interior: Geosynclines: Continental drift; Isostasy; Plate tectonics; Recent views on mountain building; Vulcanicity; Earthquakes and Tsunamis; Concepts of geomorphic cycles and Landscape development; Denudation Channel chronology; morphology; Erosion surfaces; Slope development; Applied Geomorphology: Geohydrology,
- sure belts of the world; Heat budget of the earth; Atmospheric circulation; atmospheric stability and instability. Planetary and local winds; Monsoons and jet streams; Air masses and fronto genesis, Temperate and tropical cyclones; Types and distribution of precipitation; Weather and Climate; Koppen's, Thornthwaite's and Trewartha's classification of world climates; Hydrological cycle; Global climatic change and role and response of man in climatic changes, Applied climatology and Urban climate. 3. Oceanography: Bottom topography of
- the Atlantic, Indian and Pacific Oceans; Temperature and salinity of the oceans; Heat and salt budgets, Ocean deposits; Waves, currents and tides; Marine resources: biotic, mineral and energy resources; Coral reefs, coral bleaching; sea-level changes; law of the sea and marine pollution. 4. Biogeography: Genesis of soils; Classification and distribution of soils;

Soil profile; Soil erosion, Degradation and

conservation; Factors influencing world

distribution of plants and animals;

Problems of deforestation and conserva-

economic geology and environment. 2. Climatology: Temperature and pres-

tion measures; Social forestry; agroforestry; Wild life; Major gene pool cen-

5. Environmental Geography: Principle of ecology; Human ecological adaptations; Influence of man on ecology and environment; Global and regional ecological changes and imbalances; Ecosystem their management and conservation; Environmental degradation, management and conservation; Biodiversity and sustainable development; Environmental policy; Environmental hazards and remedial measures; Environmental education and

Human Geography: 1. Perspectives in Human Geography:

legislation.

Areal differentiation; regional synthesis; Dichotomy and Environmentalism; Quantitative revolution and locational analysis; radical, behavioural, human and approaches; Languages, religions and secularisation; Cultural regions of the world; Human development index. 2. Economic Geography: World economic development: measurement and

problems; World resources and their dis-

- tribution; Energy crisis; the limits to growth; World agriculture: typology of agricultural regions; agricultural inputs and productivity; Food and nutrition problems; Food security; famine: causes, effects and remedies; World industries: locational patterns and problems; patterns of world trade. Population and Settlement Geography: Growth and distribution of
 - Types and patterns of rural settlements; Environmental issues in rural settlements; Hierarchy of urban settlements; Urban morphology: Concepts of primate city and rank-size rule; Functional classification of towns; Sphere of urban influence; Rural - urban fringe; Satellite towns; Problems and remedies of urbanization; Sustainable development of cities. 4. Regional Planning: Concept of a region; Types of regions and methods of regionalisation; Growth centres and

growth poles; Regional imbalances;

regional development strategies; environ-

mental issues in regional planning;

as social capital.

Planning for sustainable development. 5. Models, Theories and Laws in Human Geography: Systems analysis in Human geography; Malthusian, Marxian and demographic transition models; Central Place theories of Christaller and Losch; Perroux and Boudeville; Thunen's model of agricultural location; Weber's model of industrial location; Ostov's model of stages of growth. Heartland and Rimland theories; Laws of international boundaries and frontiers. PAPER - II

1. Physical Setting: Space relationship of India with neighboring countries;

Structure and relief; Drainage system and

GEOGRAPHY OF INDIA

- watersheds; Physiographic regions; Mechanism of Indian monsoons and rainfall patterns, Tropical cyclones and western disturbances; Floods and droughts; Climatic regions; Natural vegetation; Soil types and their distributions. 2. Resources: Land, surface and ground water, energy, minerals, biotic and marine resources; Forest and wild life resources and their conservation; Energy crisis. 3. Agriculture: Infrastructure: irrigation,
- seeds, fertilizers, power; Institutional factors: land holdings, land tenure and land reforms; Cropping pattern, agricultural productivity, agricultural intensity, crop

combination, land capability; Agro and social-forestry; Green revolution and its socio- economic and ecological implications; Significance of dry farming; Livestock resources and white revolution; aqua - culture; sericulture, apiculture and poultry; agricultural regionalisation; agro-climatic zones; agroecological regions.

- 4. Industry: Evolution of industries; Locational factors of cotton, jute, textile. iron and steel, aluminium, fertilizer, paper, chemical and pharmaceutical, automobile, cottage and agro-based industries; Industrial houses and complexes including public sector undertakings; Industrial regionali-sation; New industrial policies; Multinationals and liberalization; Special Economic Zones; Tourism including eco -
- and pipeline networks and their complementary roles in regional development; Growing importance of ports on national and foreign trade; Trade balance; Trade Policy; Export processing zones; Developments in communication and information technology and their impacts on economy and society; Indian space programme. Cultural Setting: Historical Perspective of Indian Society; Racial, Iin-

5. Transport, Communication and

Trade: Road, railway, waterway, airway

- guistic and ethnic diversities; religious minorities; major tribes, tribal areas and their problems; cultural regions; Growth. distribution and density of population; Demographic attributes: sex-ratio, age world population; demographic attributes; structure, literacy rate, work-force, Causes and consequences of migration; dependency ratio, longevity; migration concepts of over-under-and optimum (inter-regional, intra- regional and interpopulation: Population theories, world national) and associated problems: population problems and policies, Social Population problems and policies; Health well-being and quality of life; Population indicators. 7. Settlements: Types, patterns and mor
 - developments; Morphology of Indian cities: Functional classification of Indian cities; Conurbations and metropolitan regions; urban sprawl; Slums and associated problems; town planning; Problems of urbanization and remedies. Regional Development Planning: Experience of regional planning in India; Five Year Plans; Integrated

development

Panchayati Raj and decentralised plan-

ning; Command area development;

programmes;

phology of rural settlements; Urban

Watershed management; Planning for backward area, desert, drought prone, hill, tribal area development; multi-level planning; Regional planning and development of island territories. 9. Political Aspects: Geographical basis of Indian federalism; State reorganisation; Emergence of new states; Regional consciousness and inter state issues; international boundary of India and related issues: Cross border terrorism: India's

role in world affairs; Geopolitics of South

10. Contemporary Issues: Ecological

Asia and Indian Ocean realm.

issues: Environmental hazards: landslides, earthquakes, Tsunamis, floods and droughts, epidemics; Issues relating to environmental pollution; Changes in patterns of land use; Principles of environmental impact assessment and environmental management; Population security; explosion and food degradation; Environmental Deforestation, desertification and soil erosion: Problems of agrarian and indus-

trial unrest; Regional disparities in eco-

nomic development; Concept of sustain-

Environmental awareness; Linkage of

rivers; Globalisation and Indian economy.

NOTE: Candidates will be required to

answer one compulsory map question

pertinent to subjects covered by this

paper.

growth and development;

GEOLOGY

PAPER - I

1. General Geology:

interior of the earth and age of earth; Volcanoes- causes and products, Volcanic belts; Earthquakes-causes, effects, Seismic zones of India; Island arcs, trenches and mid-ocean ridges; Continental drifts; Seafloor spreading, Plate tectonics; Isostasy.

The Solar System, Meteorites, Origin and

2. Geomorphology and Remote Sensing: Basic concepts of geomorphology;

Weathering and soil formations; Landforms, slopes and drainage; Geomorphic and their interpretation; Morphology and its relation to structures and lithology; Coastal geomorphology; Applications of geomorphology in mineral prospecting, civil engineering; Hydrology environmental studies; Geomorphology of Indian subcontinent. Aerial photographs and their interpretaand limitations; Electromagnetic spectrum; Orbiting satellites and sensor systems; Indian Remote Sensing Satellites; Satellites data products; Applications of remote sensing in geology; The Geographic Information Systems (GIS) and Global Positioning System (GPS) - its applications.

Principles of geologic mapping and map reading, Projection diagrams, Stress and

3. Structural Geology:

strain ellipsoid and stress-strain relationships of elastic, plastic and viscous materials; Strain markers in deformed rocks; Behaviour of minerals and rocks under deformation conditions; Folds and faults classification and mechanics; Structural analysis of folds, foliations, lineations, joints and faults, unconformities; Timerelation-ship between crystallization and deformation. 4. Paleontology:

Species- definition and nomenclature; Megafossils and Microfossils; Modes of preservation of fossils; Different kinds of microfossils; Application of microfossils in correlation, petroleum exploration, paleoclimatic and paleoceanographic studies; Evolutionary trend in Hominidae, Equidae Proboscidae; Siwalik fauna: Gondwana flora and fauna and its importance; Index fossils and their significance. 5. Indian Stratigraphy:

Classification of stratigraphic sequences: lithostratigraphic, biostratigraphic, chronostratigraphic and magnetostratigraphic and their interrelationships; Distribution and classification of Precambrian rocks of India; Study of stratigraphic distribution and lithology of Phanerozoic rocks of India with reference to fauna, flora and economic importance; Major boundary Cambrian/Precambrian. problems-Permian/Triassic, Cretaceous/Tertiary and Pliocene/Pleistocene; Study of climatic conditions, paleogeography and igneous activity in the Indian subconti-

Geology: Hydrologic cycle and genetic classifica-

nent in the geological past; Tectonic

framework of India; Evolution of the

6. Hydrogeology and Engineering

Himalavas.

tion of water; Movement of subsurface water; Springs; Porosity, permeability, hydraulic conductivity, transmissivity and storage coefficient, classification of aquifers; Water-bearing characteristics of rocks; Ground-water chemistry; Salt water intrusion; Types of wells; Drainage basin morphometry; Exploration for groundwater; Groundwater recharge; Problems and management of groundwater; Rainwater harvesting; Engineering properties of rocks; Geolo-gical investigations for dams, tunnels highways, railway and bridges; Rock as construction material;

Landslides-causes, prevention and reha-

bilitation; Earthquake-resistant structures.

www.employmentnews.gov.in **Employment News 16-22 March 2013** PAPER - II water, marine pollution; Environment pro-Alberuni, The Chalukyas of Kalyana, and Humayun Cholas, Hoysalas, Pandyas; Polity and tection - legislative measures in India; The Sur Empire: Sher Shah's

Classification of crystals into systems and

classes of symmetry; International system of crystallographic notation; Use of projection diagrams to represent crystal 1. Sources: symmetry; Elements of X-ray crystallo-

forming silicate mineral groups; Structural classification of silicates; Common minerals of igneous and metamorphic rocks; Minerals of the carbonate, phosphate, sulphide and halide groups; Clay minerals. Optical properties of common rock form-

Physical and chemical characters of rock

78

1. Mineralogy:

graphy.

ing minerals; Pleochroism, extinction angle, double refraction, birefringence, twinning and dispersion in minerals. Igneous and Metamorphic Petrology:

Generation and crystallization of magmas; Crystallization of albite-anorthite,

diopside-anorthite and diopside-wollas-

tonite-silica systems; Bowen's Reaction Principle; Magmatic differentation and assimilation; Petrogenetic significance of the textures and structures of igneous rocks; Petro-graphy and petrogenesis of granite, syenite, diorite, basic and ultrabasic groups, charnockite, anorthosite and alkaline rocks; Carbonatites; Deccan volcanic province.

Types and agents of metamorphism; Metamorphic grades and zones; Phase rule; Facies of regional and contact metamorphism; ACF and AKF diagrams; Textures and structures of metamorphic rocks; Metamorphism of arenaceous, argillaceous and basic rocks; Minerals assemblages Retrograde metamorphism;

and granitisation, Metasomatism migmatites, Granulite terrains of India. 3. Sedimentary Petrology: Sediments and Sedimentary rocks: Processes of formation; digenesis and lithification; Clastic and non-clastic rockstheir classification, petrography and

depositional environment; Sedimentary facies and provenance; Sedimentary structures and their significance; Heavy minerals and their significance; Sedimentary basins of India. 4. Economic Geology: Ore, ore minerals and gangue, tenor of ore, classification of ore deposits;

Process of formation of minerals

deposits; Controls of ore localization; Ore textures and structu-res; Metallogenic epochs and provinces; Geology of the important Indian deposits of aluminium, chromium, copper, gold, iron, lead zinc, manganese, titanium, uranium and thorium and industrial minerals; Deposits of coal and petroleum in India; National Mineral Policy; Conservation and utilization of mineral resources; Marine mineral resources and Law of Sea. 5. Mining Geology:

Methods of prospecting-geological, geo-

physical, geochemical and geobotanical;

Techniques of sampling; Estimation of

reserves or ore; Methods of exploration

and mining metallic ores, industrial miner-

als, marine mineral resources and build-

ing stones; Mineral beneficiation and ore dressing. Geology: Cosmic abundance of elements; Composition of the planets and meteorites; Structure and composition of Earth

and distribution of elements; Trace elements; Elements of crystal chemistrytypes of chemical bonds, coordination

number; Isomorphism and polymorphism; Elementary thermodynamics. Natural hazards-floods, mass wasting, costal hazards, earthquakes and volcanic activity and mitigation; Environmental impact of urbanization, mining, industrial and radioactive waste disposal, use of fertilizers, dumping of mine waste and fly ash; Pollution of ground and surface

HISTORY PAPER - I

Archaeological sources: Exploration, excavation, epigraphy, numismatics, monuments Literary sources: Indigenous: Primary and secondary; poetry, scientific literature, literature, literature in regional languages, religious lit-Foreign accounts: Greek, Chinese and

Arab writers. 2. Pre-history and Proto-history: Geographical factors; hunting and gathering (paleolithic and mesolithic); Beginning of agriculture (neolithic and chalcolithic). 3. Indus Valley Civilization: Origin, date, extent, characteristics,

decline, survival and significance, art and

Distribution of pastoral and farming cul-

tures outside the Indus, Development of life, Settlements, Development of agriculture, Crafts, Pottery, and Iron industry.

5. Aryans and Vedic Period:

Varna system.

their impact.

7. Mauryan Empire:

of religion; Literature.

4. Megalithic Cultures:

Expansions of Aryans in India. Vedic Period: Religious and philosophic literature; Transformation from Rig Vedic period to the later Vedic period; Political, social and economical life; Significance of

6. Period of Mahajanapadas:

Formation of States (Mahajanapada): Republics and monarchies; Rise of urban centres; Trade routes; Economic growth; Introduction of coinage; Spread of Jainism and Buddhism; Rise of Magadha and Nandas.

Iranian and Macedonian invasions and

Foundation of the Mauryan Empire,

Economy; Art, architecture and sculp-

ture; External contacts; Religion; Spread

Disintegration of the empire; Sungas and

the Vedic Age; Evolution of Monarchy and

Kautilya Chandragupta, Arthashastra; Ashoka; Concept of Dharma; Edicts; Polity, Administration;

Kanvas. 8. Post - Mauryan Period (Indo-Greeks, Sakas, Kushanas, Western Kshatrapas): Contact with outside world; growth of urban centres, economy, coinage, devel-

opment of religions, Mahayana, social

conditions, art, architecture, culture, liter-

ature and science. 9. Early State and Society in Eastern India, Deccan and South India: Kharavela, The Satavahanas, Tamil the States of Sangam Age; Administration, economy, land grants,

coinage, trade guilds and urban centres; Buddhist centres; Sangam literature and culture; Art and architecture. 10. Guptas, Vakatakas and Vardhanas: Polity and administration, Economic conditions, Coinage of the Guptas, Land

grants, Decline of urban centres, Indian feudalism, Caste system, Position of women, Education and educational institutions; Nalanda, Vikramshila and Vallabhi, Literature, scientific literature, art and architecture. 11. Regional States during Gupta Era: The Kadambas, Pallavas, Chalukyas of Badami; Polity and Administration, Trade guilds, Literature; growth of Vaishnava and Saiva religions. Tamil Bhakti move-

Shankaracharya;

Institutions of temple and temple archi-

tecture; Palas, Senas, Rashtrakutas,

Paramaras, Polity and administration;

Cultural aspects. Arab conquest of Sind;

Vedanta;

Sea level changes: causes and impact. Administration; local

Growth of art and architecture, religious sects, Institution of temple and Mathas, Agraharas, education and literature, economy and society. 12. Themes in Early Indian Cultural History: Languages and texts, major stages in the

Govern-ment;

evolution of art and architecture, major philosophical thinkers and schools, ideas in Science and Mathematics.

13. Early Medieval India, 750-1200:

Polity: Major political developments in Northern India and the Peninsula, origin and the rise of Rajputs The Cholas: administration, village

"Indian Feudalism" Agrarian economy and urban settlements Trade and commerce

Society: the status of the Brahman and the new social order

Condition of women Indian science and technology 14. Cultural Traditions in India, 750-

1200: Philosophy: Skankaracharya and Vedanta, Ramanuja and Vishishtad-Madhva and Brahmavaita.

economy and society

Mimansa Religion: Forms and features of religion, Tamil devotional cult, growth of Bhakti, Islam and its arrival in India, Sufism Literature: Literature in Sanskrit,

growth of Tamil literature, literature

in the newly developing languages,

Kalhan's Rajtarangini, Alberuni's

Art and Architecture: Temple archi-

Economic, social and cultural conse-

Foundation of Delhi Sultanate and

tecture, sculpture, painting 15. The Thirteenth Century: Establishment of the Delhi Sultanate: The Ghurian invasions factors behind Ghurian success

India

quences

early Turkish Sultans Consolidation: The rule of Iltutmish and Balban The Fourteenth Century:

"The Khalji Revolution" Alauddin Khalji: Conquests and territorial expansion, agrarian and economic measures

Muhammad Tughluq: Major proj-

ects, agrarian measures, bureaucra-

cy of Muhammad Tughluq

Firuz Tughluq: Agrarian measures, achievements in civil engineering and public works, decline of the Sultanate, foreign contacts and Ibn Battuta's account 17. Society, Culture and Economy in

the Thirteenth and Fourteenth

Centuries: Society: composition of rural society, ruling classes, town dwellers, women, religious classes, caste and slavery under the Sultanate, Bhakti

movement, Sufi movement

in the regional languages of North India, literature in the languages of South India, Sultanate architecture and new structural forms, painting, evolution of a composite culture Economy: Agricultural production, rise of urban economy and non-agricultural production, trade and com-

Culture: Persian literature, literature

18. The Fifteenth and Early Sixteenth Century - Political Developments and Economy: Rise of Provincial Dynasties:

Bengal, Kashmir (Zainul Abedin), Gujarat, Malwa, Bahmanids The Vijayanagra Empire

administration

Portuguese Colonial enterprise Bhakti and Sufi Movements 19. The Fifteenth and early Sixteenth

Century - Society and Culture: Regional cultural specificities Literary traditions

Provincial architecture Society, culture, literature and the arts in Vijayanagara Empire. 20. Akbar:

Rajput policy

Empire Establishment of Jagir and Mansab

Conquests and consolidation of the

Evolution of religious and social out-

look, theory of Sulh-i-kul and religious policy Court patronage of art and technolo-

21. Mughal Empire in the Seventeenth Century:

Major administrative policies of

Jahangir, Shahjahan and Aurangzeb The Empire and the Zamindars Religious policies of Jahangir, Shahjahan and Aurangzeb

Nature of the Mughal State Late Seventeenth century crisis and the revolts The Ahom Kingdom Shivaji and the early Maratha

Kingdom.

Economy and Society in the Sixteenth and Seventeenth Centuries:

the Khalsa Panth

Mughal painting

of Panipat:1761

Population, agricultural production, craft production Towns, commerce with Europe through Dutch, English and French

companies : a trade revolution Indian mercantile classes, banking, insurance and credit systems Condition of peasants, condition of women

Evolution of the Sikh community and

Maratha ascendancy under the

23. Culture in the Mughal Empire: Persian histories and other literature Hindi and other religious literature Mughal architecture

Provincial architecture and painting Classical music Science and technology 24. The Eighteenth Century:

Factors for the decline of the Mughal **Empire** The regional principalities: Nizam's Deccan, Bengal, Awadh

Peshwas The Maratha fiscal and financial sys-Emergence of Afghan Power, Battle

State of politics, culture and economy on the eve of the British conquest 1. European Penetration into India:

The Early European Settlements; The Portuguese and the Dutch; The English

PAPER - II

and the French East India Companies; Their struggle for supremacy; Carnatic

Wars; Bengal -The conflict between the English and the Nawabs of Bengal;

Siraj and the English; The Battle of Plassey; Significance of Plassey. 2. British Expansion in India: Bengal - Mir Jafar and Mir Kasim; The

Battle of Buxar; Mysore; The Marathas; The three Anglo-Maratha Wars: The

3. Early Structure of the British Raj:

Mughal Empire, First phase: Babur

The early administrative structure; From diarchy to direct control; The Regulating

Act (1773); The Pitt's India Act (1784); The Charter Act (1833); The voice of free trade and the changing character of British colonial rule; The English utilitarian and India.

The Left; The Left within the Congress:

Jawaharlal Nehru, Subhas Chandra

Bose, the Congress Socialist Party; the

Communist Party of India, other left par-

12. Politics of Separatism; the Muslim

League; the Hindu Mahasabha;

Communalism and the politics of parti-

13. Consolidation as a Nation; Nehru's

Foreign Policy; India and her neighbours

(1947-1964); The linguistic reorganisa-

tion of States (1935-1947); Regionalism

and regional inequality; Integration of

Princely States; Princes in electoral poli-

tics; the Question of National Language.

Backward castes and tribes in post-colo-

15. Economic development and political change; Land reforms; the politics of

planning and rural reconstruction;

Ecology and environmental policy in post

Enlightenment and Modern ideas:

Major ideas of Enlightenment: Kant,

Spread of Enlightenment in the

Rise of socialist ideas (up to Marx);

the

(d)

(a)

13.

1.

2.

tutionality.

action.

immunities.

States:

spread of Marxian Socialism.

Origins of Modern Politics:

American Revolution and

French revolution and aftermath,

American Civil War with reference to

Abraham Lincoln and the abolition of

British Democratic Politics, 1815-

1850; Parliamentary Reformers,

(i) English Industrial Revolution:

(ii) Industrialization in other coun-

tries: USA, Germany, Russia, Japan

(i) Rise of Nationalism in 19th cen-

Causes and Impact on Society

European States System.

Free Traders, Chartists,

Industrialization:

(iii) Industrialization

ties across the world.

(iii) Australia

Revolution:

(iii) Fascist

Italy and Germany.

Globalization.

19. Nation-State System:

- colonial India; Progress of science.

Rousseau

colonies

Constitution.

1789-1815.

slavery.

(iii)

(iv)

nial electoral politics; Dalit movements.

Caste and Ethnicity after 1947;

tion: Transfer of power: Independence.

- 4. Economic Impact of British Colonial

- (a) Land revenue settlements in British India; The Permanent Settlement;
- Rvotwari Settlement: Mahalwari Settlement; Economic impact of the rev-
- enue arrangements; Commercialization of agriculture; Rise of landless agrarian labourers; Impoverishment of the rural society. (b) Dislocation of traditional trade and
- commerce; De-industrialisation; Decline of traditional crafts; Drain of wealth; Economic transformation of India; Railroad and communication network including tele-graph and postal services; Famine and poverty in the rural interior;
- European business enterprise and its limitations. 5. Social and Cultural Developments: The state of indigenous education, its dislocation; Orientalist-Anglicist controversy, The introduction of western education in India; The rise of press, literature
- and public opinion; The rise of modern vernacular literature; Progress of science; Christian missionary activities in 6. Social and Religious Reform movements in Bengal and Other Areas: Mohan Roy, The Brahmo Movement; Devendranath Tagore:
- Bengal Movement; Dayanada Saraswati; The social reform movements in India including Sati, widow remarriage, child marriage etc.; The contribution of Indian renaissance to the growth of modern India: Islamic revivalism - the Feraizi and

Iswarchandra Vidyasagar; The Young

- Wahabi Movements. 7. Indian Response to British Rule: Peasant movements and tribal uprisings in the 18th and 19th centuries including the Rangpur Dhing (1783), the Kol
- Rebellion (1832), the Mopla Rebellion in Malabar (1841-1920), the Santal Hul (1855), Indigo Rebellion (1859-60),
- Deccan Uprising (1875) and the Munda Ulgulan (1899-1900); The Great Revolt of 1857 - Origin, character, causes of failure, the consequences; The shift in the character of peasant uprisings in the

Congress; The Safety-valve thesis relat-

ing to the birth of the Congress;

Programme and objectives of Early

Congress: the social composition of early

Congress leadership; the Moderates and

Extremists; The Partition of Bengal

(1905); The Swadeshi Movement in

Bengal; the economic and political

aspects of Swadeshi Movement; The

beginning of revolutionary extremism in

9. Rise of Gandhi; Character of Gandhian

nationalism: Gandhi's popular appeal:

Satyagraha; the

Movement; National politics from the end

of the Non-cooperation movement to the

beginning of the Civil Disobedience

movement; the two phases of the Civil

Commission: The Nehru Report; the

Round Table Conferences; Nationalism

Nationalism and Working class move-

ments; Women and Indian youth and stu-

dents in Indian politics (1885-1947); the

election of 1937 and the formation of min-

istries; Cripps Mission; the Quit India

Movement; the Wavell Plan; The Cabinet

10. Constitutional Developments in the

11. Other strands in the National Move-

The Revolutionaries: Bengal, the Punjab,

U.P,

the

Colonial India between 1858 and 1935

the Peasant

Movement;

the

Khilafat

Simon

Madras

Movements;

Non-cooperation

Rowlatt

ment

Maharashtra,

Presidency, Outside India.

Movement;

Disobedience

ments of the 1920s and 1930s.

post-1857 period; the peasant movetury (ii) Nationalism: state-building in 8. Factors leading to the birth of Indian Germany and Italy (iii) Disintegration of Empires in the Nationalism; Politics of Association; The Foundation of the Indian National face of the emergence of nationali-

20.

- Imperialism and Colonialism: South and South-East Asia (ii) Latin America and South Africa
- (iv) Imperialism and free trade: Rise of neo-imperialism. 21. Revolution Counterand
 - (i) 19th Century European revolutions (ii) The Russian Revolution of 1917-1921
- (iv) The Chinese Revolution of 1949 22. World Wars: (i) 1st and 2nd World Wars as Total

Counter-Revolution,

- Wars: Societal implications (ii) World War I: Causes and conse-
- (iii) World War II: Causes and con-23. The World after World War II:

(i) Emergence of two power blocs

(ii) Emergence of Third World and

- non-alignment (iii) UNO and the global disputes.
 - (i) Latin America-Bolivar (ii) Arab World-Egypt

 - and

(i) Factors constraining develop-

- **Decolonization**
- (iii) Africa-Apartheid to Democracy (iv) South-East Asia-Vietnam 25. **Underdevelopment:**

ment: Latin America, Africa

- 24. Liberation from Colonial Rule: 6.
 - 7.

 - powers, functions and reform. Peaceful settlement of disputes different modes.

- 26. Unification of Europe:
 - Post War Foundations: NATO

(iii) European Union.

- and European Community (ii) Consolidation and Expansion of **European Community**
- 27. Disintegration of Soviet Union and the Rise of the Unipolar World: (i) Factors leading to the collapse of Soviet communism and the Soviet
 - Union, 1985-1991 (ii) Political Changes in Eastern
 - Europe 1989-2001. (iii) End of the cold war and US ascendancy in the World as the lone superpower.

PAPER - I **Constitutional and Administrative Law**

LAW

authority.

Constitution and Constitutionalism: The distinctive features of the Constitution. Fundamental rights – Public interest

litigation; Legal Aid; Legal services

- Relationship between fundamental rights, directive principles and fundamental duties. Constitutional position of the
- President and relation with the Council of Ministers. 5. Governor and his powers. Supreme Court and High Courts:
- (a) Appointments and transfer. (b) Powers, functions and jurisdic-
- 7. Centre, States and local bodies: Distribution of legislative powers (a)
- between the Union and the States. (b) Local bodies.
 - Administrative relationship among Union, State and Local Bodies. Eminent domain - State property -
- common property community property. Legislative powers, privileges and

Services under the Union and the

Recruitment and conditions of serv-

- ices; Constitutional safeguards; Administrative tribunals. (b) Union Public Service Commission State Public Service
- Commissions Power and functions Election Commission - Power and (c) functions.
- 10. Emergency provisions. 11. Amendment of the Constitution.
- 12. Principles of natural justice -Emerging trends and judicial approach.
 - Separation of powers and constitutional governance. Judicial review of administrative

Delegated legislation and its consti-

16. Ombudsman: Lokayukta, Lokpal etc. **International Law**

Nature and definition of international

Relationship between international law and municipal law.

- State recognition and state succes-
- Law of the sea: Inland waters, territorial sea, contiguous zone, conti-

- nental shelf, exclusive economic zone, high seas.
- 5. Individuals: Nationality, statelessness: Human rights and procedures available for their enforcement.

Territorial jurisdiction of States,

- extradition and asylum. Treaties: Formation, application, termination and reservation.
- United Nations: Its principal organs,
- 10. Lawful recourse to force: aggres-

- sion, self-defence, intervention. 11. Fundamental principles of international humanitarian law International conventions and con-
- temporary developments. Legality of the use of nuclear weapons; ban on testing of nuclear
- weapons; Nuclear non proliferation treaty. CTBT. 13. International terrorism, state sponsored terrorism, hijacking, interna-
- tional criminal court. New international economic order and monetary law: WTO, TRIPS, GATT, IMF, World Bank. Protection and improvement of the

human environment: International

PAPER - II **Law of Crimes**

efforts.

11.

General principles of criminal liabili-

- ty: Mens rea and actus reus, mens rea in statutory offences. Kinds of punishment and emerging
- trends as to abolition of capital punishment. Preparation and criminal attempt.
- 4. General exceptions. 5. Joint and constructive liability.
- 6. Abetment. 7. Criminal conspiracy.
- 8. Offences against the State. Offences against public tranquility. 9. 10. Offences against human body.

Offences against property.

- Offences against women. 13. Defamation. 14. Prevention of Corruption Act, 1988.
- Protection of Civil Rights Act 1955 and subsequent legislative developments.
- Law of Torts Nature and definition. 1. Liability based upon fault and strict

16. Plea bargaining.

Remedies.

Negligence.

6.

- liability; Absolute liability. Vicarious liability including State lia-
- bility. General defences. 5. Joint tort feasors.
- Defamation. 9. Nuisance. 10. Conspiracy. False imprisonment.
- Malicious prosecution. Consumer Protection Act, 1986. Law of Contracts and Mercantile Law
 - Nature and formation of contract/Econtract.
- Factors vitiating free consent. Void, voidable, illegal and unenforceable agreements.

Quasi- Contracts.

and insurance.

Contract of agency.

- Performance and discharge of contracts.
- Consequences of breach of con-Contract of indemnity, guarantee

1.

6.

- Sale of goods and hire purchase. Formation and dissolution of part-
- nership. Negotiable Instruments Act, 1881.
- 12. Arbitration and Conciliation Act, 13. Standard form contracts.
- **Contemporary Legal Developments** Public Interest Litigation. Intellectual property rights -
 - Concept, types/prospects. Information Technology Law includ-
 - ing Cyber Laws Concept, pur-
- pose/prospects. Competition Law- Concept, pur
 - pose/ prospects. Alternate Dispute Resolution -Concept, types/prospects.
 - Major statutes concerning environmental law.
- Right to Information Act. Trial by media. 8.

www.employmentnews.gov.in Employment News 16- 22 March 2013 Literature of the following languages Kavya Kakati. Meghnadbadh Hozowary Karengar Ligirî-by Jyotiprasad Agarwalla Hagra Guduni Mwi : Nilkamal Note (i): A candidate may be required Madhusudan Dutta. (j) to answer some or all the questions in Jeevanar Bãtat-by Bina Barwa (Birinchi 5. Kapalkundala by Bankimchandra Brahma. Kumar Barua) the language concerned. Chattarjee. **DOGRI** Mrityunjoy-by Note (ii): In regard to the languages 6. Samya and Bangadesher Krishak by Birendrakumar Paper-I included in the Eighth Schedule to Bhattachary-ya Bankimchandra Chatterjee. History of Dogri Language and Constitution, the scripts will be the Samrãt-by Navakanta Barua. 7. Sonar Tari by Rabindranath Tagore. Literature same as indicated in Section-II (B) of Chhinnapatravali by Rabindranath **BENGALI** (Answers must be written in Dogri) Appendix I relating to Tagore. Paper-I Section-A Examination. Section-B History of Language and Literature. **History of Dogri Language** Note (iii): Candidates should note that Raktakarabi by Rabindranath Answers must be written in Bengali. Dogri language: Origin and develthe questions not required to be Tagore. Section-A opment through different stages. 10. Nabajatak by Rabindranath Tagore. answered in a specific language will Linguistic boundaries of Dogri and Topics from the History of Bangla lanhave to be answered in the language Grihadaha by Saratchandra Chatterits dialects. medium indicated by them for answer-The chronological track from Proto Characteristic features of Dogri Ianing papers on Essay, General Studies Prabandha Samgraha Vol. 1, by 12. Indo-European to Bangla (Family guage. and Optional Subjects. Pramatha Choudhuri. tree with branches and approximate Structure of Dogri Language: 13. Aranyak by Bibhutibhusan Banerjee **ASSAMESE** dates). (a) Sound Structure: Short stories by Manik Bandyo-pad-Paper-I Historical stages of Bangla (Old, Segmental Vowels hyay: Atashi Mami, Pragaitihasik, (Answers must be written in Consonants Middle, New) and their linguistic fea-Holud-Pora, Sarisrip, Haraner Non-Segmental: Length, Stress, Assamese) Natjamai, Chhoto-Bokulpurer Jatri, Dialects of Bangla and their distin-Nasalization, Tone and Juncture. Section-A Kustharogir Bou, Jakey Ghush Ditey quishing characteristics. (b) Morphology of Dogri: Language Hoy. (a) History of the origin and develop-Elements of Bangla Vocabulary. Inflection Categories : Gender, 15. Shrestha Kavita by Jibanananda Number, Case, Person, Tense and ment of the Assamese language-its Forms of Bangla Literary Prose-Das. position among the Indo-Aryan Sadhu and Chalit. Voice. 16. Jagori by Satinath Bhaduri. Processes of language change rele-Languages-periods in its history. Word Formation: use of prefixes, 17. Ebam Indrajit by Badal Sircar. Developments of Assamese prose. vant for Bangla. infixes and suffixes. **BODO** Apinihiti (Anaptyxis), Abhishruti Vowels and consonants of the Assa-Vocabulary: Tatsam, tadbhav, for-(umlaut), Murdhanyibhavan (ceremese languages-rules of phonetic Paper-I eign and regional. History of Bodo Language and changes with stress on Assamese bralization), Nasikyibhavan Sentence Structure : Major coming down from Old Indo-Aryan. (Nasalization), Samibhavan Literature Sentence - types and their con-(Assimilation), Sadrishya (Analogy), Assamese vocabulary-and its (Answers must be written in Bodo) stituents, agreement and concord in Svaragama (Vowel insertion)-Adi sources. Section-A Dogri syntax. Morphology of the language-conju-Svaragama, Madhya Svaragama or **History of Bodo Language** Dogri Language and Scripts : (e) Dogre/Dogra Akkhar, Devanagari Svarabhakti, Antya Svaragama, Homeland, language family, its presgation-enclitic definitives ent status and its mutual contact pleonastic suffixes. Svarasangati (Vowel hormony), yand Persian. Dilectical divergences-the standard shruti and w-shruti. **Section-B** with Assamese. (a) Phonemes colloquial and the Kamrupi dialect in Problems of standardization and 2. **History of Dogri Literature:** and Vowel particulars. **Consonant Phonemes** A brief account of Pre-independence reform of alphabet and spelling, and Assamese scripts-its evolution those of transliteration (b) Tones. Dogri Literature : Poetry & Prose. through the ages till 19th century Morphology: Gender, Case & Case Development of modern Dogri Romanization. A.D. Phonology, Morphology and Syntax endings, Plural suffix, Definitives, Poetry and main trends in Dogri Section-B of Modern Bangla. Verbal suffix. Poetry. Development of Dogri short-story, **Literary Criticism and Literary History** (Sounds of Modern Bangla, Conjuncts; Vocabulary and its sources. Syntax: Types of sentences, Word main trends & prominent short-story Principles of Literary criticism upto word formations, compounds; basic sen-New criticism. tence patterns.) Order. writers. Development of Dogri Novel, main Different literary genres. Section-B History of Scripts used in writing Bodo Language since inception. Development of literary forms in Topics from the History of Bangla trends & contribution of Dogri Assamese. Literature. Section-B Novelists. Periodization of Bangla Literature : Development of Dogri Drama & con-Development of literary criticism in **History of Bodo Literature** Assamese. Old Bangla and Middle Bangla. General introduction of Bodo folk littribution of prominent Playwrights. Development of Dogri Prose : Periods of the literary history of Points of difference between moderature. Assam from the earliest beginnings, ern and pre-modern Bangla Contribution of the Missionaries. Essays, Memoirs & Travelogues. i.e. from the period of the Periodization of Bodo Literature. An introduction to Dogri Folk litera-Literature. charyyageets with their socio-cultur-Critical analysis of different genre ture - Folk songs, Folk tales & Roots and reasons behind the emeral background : the proto gence of modernity in Bangla (Poetry, Novel, Short Story and Ballads. Assamese-Pre-Sankaradeva-Paper-II Literature. Drama) Evolution of various Middle Bangla Translation Literature. **Textual Cristisim of Dogri Literature** Sankaradeva-post Sankaradeva-Paper-II (Answers must be written in Dogri) Modern period (from the coming of forms: Mangal kavyas, Vaishnava The Paper will require first-hand readthe Britishers)-Post-Independence lyrics, Adapted narratives Section-A period. Special emphasis is to be Mahabharata, ing of the texts prescribed and will be **Poetry** (Ramayana, designed to test the critical ability of Azadi Paihle Di Dogri Kavita. given on the Vaisnavite period, the Bhagavata) and religious biogragonaki and the post-Independence phies. the candidates. The following poets: Secular forms in middle Bangla liter-(Answers must be written in Bodo) Devi Ditta, Lakkhu, Ganga Ram, period. Section-A Ramdhan, Hardutt, Pahari Gandhi Paper-II ature. Narrative and lyric trends in the This paper will require first-hand reading (a) Khonthai-Methai Baba Kanshi Ram & Permanand (Edited by Madaram Brahma & of the texts prescribed and will be nineteenth century Bangla poetry. Almast. Development of prose. designed to test the candidates' critical Rupnath Brahma). 2. Modern Dogri Poetry Azadi Bad Di Dogri Kavita ability. Answers must be written in Bangla dramatic literature (nine-(b) Hathorkhi-Hala teenth century, Tagore, Post-1944 Pramod Chandra The following poets: Assamese (Edited by Section-A Bangla drama). Brahma) Kishan Smailpuri, Tara Smailpuri, Tagore and post-Tagoreans. Boroni Gudi Sibsa Arw Aroz : Ramayana (Ayodhya Kanda only)-by Mohan Lal Sapolia, Yash Sharma, Madaram Brahma. K.S. Madhukar. Padma Sachdev. Madhava Kandali. Fiction, major authors: Pārijāt-Harana-by Sankaradeva. (Bankimchandra, Tagore, Raja Nilambar : Dwarendra Nath Jitendra Udhampuri, Charan Singh Rãsakrïdã-by Sankaradeva (From Saratchandra, Bibhutibusan, Basumatary. and Prakash Premi. Kirtana Ghosa). Tarasankar, Manik). Bibar (Prose section) Sheeraza Dogri Number 102, Bargeet-by Madhavadeva 11. Women and Bangla literature : cre-(Edited Chandra Ghazal Ank. Satish by Rãjasûya-by Madhavadeva. ators and created. Basumatary) The following poets: Kãthã-Bhãgavata (Books I and II)-by Paper-II Section-B Ram Lal Sharma, Ved Pal Deep, Baikunthanath Bhattacharyya. Prescribed texts for close study. Gibi Bithai (Aida Nwi) : Bihuram N.D. Jamwal, Shiv Ram Deep, (a) Answers must be written in Bengali. Gurucarit-Kathã (Sankaradeva's Part Boro Ashwini Magotra and Virendra only)-ed. by Maheswar Neog. Section-A Radab: Samar Brahma Chaudhury Kesar. Section-B Vaishnava Padavali (Calcutta Okhrang Gongse Nangou Sheeraza Dogri Number 147, Mor Jeevan Sonwaran-by Lakshminath Brajendra Kumar Brahma University) Ghazal Ank The following poets: Bezbaroa. Poems of Vidyapati, Chandidas, (d) Baisagu Arw Harimu: Laksheswar Kripãbar Barbaruãr Kãkatar Topola-by Jnanadas, Govindadas Brahma. R.N. Shastri, Jitendra Udhampuri, Lakshminath Bezbaroa. Balaramdas. Gwdan Boro: Manoranjan Lahary Champa Sharma and Darshan (e) 2. Chandimangal Kalketu episode by Jujaini Or: Chittaranjan Muchahary Pratimã-by Chandra Kumar Agarwalla. Darshi. (f) Gãoñburhã-by Padmanath Mukunda (Sahitya Akademi). Mwihoor: Dharanidhar Wary Ramayan (Epic) by Shambhu Nath Gohain (g) Barua. Chaitanya Charitamrita Madya Lila, Hor Badi Khwmsi : Kamal Kumar Sharma (upto Ayodhya Kand) Monamatî-by Rajanikanta Bordoloi. by Krishnadas Kaviraj (Sahitya Veer Gulab (Khand Kavya) by Dinoo Brahma Jaolia Dewan : Mangal Singh Purani Asamîyã Sãhitya-by Banikanta Akademi). (i) Bhai Pant.

- Texts for detailed study are listed Ved Rahi, Narsingh Dev Jamwal, below. Candidates will also be required to show adequate knowledge of the following topics and movements
- Om Goswami, Chhattrapal, Lalit Modernism; Poets of the Thirties; The

Kesar.

Khatha Kunj Bhag II

Krishan Sharma

Dogra Nutan

plays)

Magotra

Sharma.

Dogri Lalit Nibandh

Kunwar Viyogi.

1990.

The following authors:

Sharma Sarathi.

6.

The following Story writters:

ries) by Bandhu Sharma

Kaiddi (Novel) by Desh Bandhu

Nanga Rukkh (Novel) by O.P.

Nayaan (Drama) by Mohan Singh.

The following pay wrights:

Satrang (A collection of one act

Vishwa Nath Khajuria, Ram Nath

Shastri, Jitendra Sharma, Lalit

Vishwa Nath Khajuria, Narayan

Mishra, Balkrishan Shastri, Shiv

Nath, Shyam Lal Sharma, Lakshmi

Narayan, D.C. Prashant, Ved Ghai,

ENGLISH The syllabus consists of two papers,

designed to test a first-hand and critical

reading of texts prescribed from the fol-

lowing periods in English Literature :

Paper I: 1600-1900 and Paper II: 1900-

There will be two compulsory questions in

each paper : a) A short-notes question

related to the topics for general study,

and b) A critical analysis of UNSEEN pas-

Paper-I

Texts for detailed study are listed

below. Candidates will also be required

to show adequate knowledge of the fol-

The Renaissance : Elizabethan and

Jacobean Drama; Metaphysical Poetry;

The Epic and the Mock-epic; Neo-classi-

cism; Satire; The Romantic Movement;

The Rise of the Novel; The Victorian Age.

Section-A

William Shakespeare : King Lear

John Donne. The following poems :

On his Mistress going to bed;

John Milton: Paradise Lost, I, II, IV,

Alexander Pope. The Rape of the

William Wordsworth. The following

Intimations

Answers must be written in English.

sages both in prose and verse.

lowing topics and movements:

and The Tempest.

The Relic;

Lock.

poems:

ways.

6.

7.

1.

2.

3.

Ode

Immortality.

Canonization;

Death be not proud;

The Good Morrow;

on

Three years she grew.

She dwelt among untrodden

Resolution and Independence.

The World is too much with us.

Upon Westminster Bridge.

Jonathan Swift. Gulliver's Travels.

Jane Austen. Pride and Prejudice.

Alfred Tennyson: In Memoriam.

Henrik Ibsen : A Doll's House.

Section-B

Henry Fielding. Tom Jones.

Charles Dickens. Hard Times.

Milton, thou shouldst be living at

Tintern Abbev.

Michael.

and Madan Mohan

- Magotra, Chaman Arora and Ratan stream-of-consciousness Novel; Absurd
 - Colonialism Drama: and Post-
 - Colonialism; Indian Writing in English;
- Meel Patthar (collection of short sto-Marxist, Psychoanalytical and Feminist

Section-A William Butler Yeats. The following

The Second Coming

Sailing to Byzantium.

Leda and the Swan.

The Second Coming

Journey of the Magi.

Musee des Beaux Arts

The Unknown Citizen

The Shield of Achilles

John Osborne: Look Back in Anger.

Samuel Beckett. Waiting for Godot.

Philip Larkin. The following poems:

A.K. Ramanujan. The following

Looking for a Causim on a

Of Mothers, among other Things

Small-Scale Reflections on a

Love Poem for a Wife 1

(All these poems are available in the

anthology Ten Twentieth Century Indian

Poets, edited by R. Parthasarthy, pub-

lished by Oxford University Press, New

Section-B

James Joyce. Portrait of the Artist as

D.H. Lawrence. Sons and Lovers.

E.M. Forster. A Passage to India.

V.S. Naipal. A House for Mr. Biswas.

Virginia Woolf. Mrs Dalloway.

GUJARATI

Paper-I

(Answers must be written in Gujarati)

Section-A

Gujarati Language : Form and history

History of Gujarati Language with

special reference to New Indo-Aryan

Raja Rao. Kanthapura.

Joseph Conrad. Lord Jim

September 1, 1939

Mundus Et Infans

in Memory of W.B. Yeats

W.H. Auden. The following poems:

T.S. Eliot. The following poems:

The Love Song of J.Alfred

A Prayer for my daughter.

Among School Children.

literature;

Om Vidyarthi, Champa Sharma and

approaches

Modernism.

poems:

Easter 1916

The Tower.

Lapis Lazuli

Byzantium.

Burnt Norton.

Partition

Consider

Petition.

Please

poems:

Swing

Delhi).

5.

6.

A River

Great House

Obituary

a Young Man.

and syntax.

Deceptions

Afternoons

Mr. Bleaney

Prufrock

1.

2.

- parampara)
 - Modern: Sudharak yug

 - 7. 8. Pandit yug

 - inter- relationship. Salient features of Nagari Lipi and
 - the efforts for its reform & Standard Gandhi yug 9. form of Hindi. 10. Anu-Gandhi yug
 - Grammatical structure of Standard Hindi. 11. Adhunik yug Section-B Section-B **History of Hindi Literature.**

Prominent dialects of Hindi and their

Prominent Writers: Bharatendu, Bal

Krishna Bhatt & Pratap Narain

Prominent trends of modern Hindi

Poetry: Chhayavad, Pragativad,

Proyogvad, Nai Kavita, Navgeet and

Contemporary poetry and Janvadi

Prominent Poets : Maithili Sharan

Gupta, Prasad, Nirala, Mahadevi,

The origin and development of Hindi

Prominent Novelists: Premchand,

Jainendra, Yashpal, Renu and

The origin and development of Hindi

Prominent short Story Writers:

The origin & Development of Hindi

Prominent Dramatists: Bharatendu,

Prasad, Jagdish Chandra Mathur,

Ram Kumar Verma, Mohan Rakesh.

The origin and development of Hindi

criticism : Saiddhantik, Vyavharik,

Pragativadi, Manovishleshanvadi &

Prominent critics: Ramchandra

Shukla, Hajari Prasad Dwivedi, Ram

Nibandh, Rekhachitra, Sansmaran,

Vilas Sharma & Nagendra.

VI. The other forms of Hindi prose-Lalit

Paper-II

(Answers must be written in Hindi)

This paper will require first hand reading

of prescribed texts and will test the critical

Section-A

Shyam Sundar Das (First hundred

Kabir Granthawali, Ed.

: Bhramar Gitsar. Ed.

The development of Hindi Theatre.

Mohan Rakesh & Krishna Shobti.

Prasad, Agyeya,

Muktibodh,

Agyeya,

- Literary Forms: (Salient features, history and development of the following liter-The relevance and importance of Hindi literature and tradition of writ-
- ary forms): (a) Medieval ing History of Hindi Literature. Narratives: Rasa, Akhyan and Literary trends of the following four Padyavarta
- periods of history of Hindi Literature. 2. Lyrical: Pada Adikal-Sidh, Nath and Raso Sahitya. poets-Chandvardai, (b) Folk Prominent
- Khusaro, Hemchandra, Vidyapati. Bhavai 3. Bhaktikal-Sant Kavyadhara, Sufi (c) Modern
- Fiction: Novel and short story Kavyadhara, Krishna Bhaktidhara 5. and Ram Bhaktidhara. Drama Prominent Poets-Kabir, Jayasi, Sur 6. Literary Essay
- 7. Lyrical Poetry & Tulsi. (d) Criticism Ritikal-Ritikavya, Ritibaddhakavya & 8. History of theoretical Gujarati criti-Riti Mukta Kavya. Prominent Poets-Keshav, Bihari, cism
- Recent research in folk tradition. Padmakar and Ghananand. Adhunik Kal Paper-II (Answers must be written in Gujarati) Renaissance, the development of The paper will require first hand reading Prose, Bharatendu Mandal.

Mishra.

Kavita.

Dinkar,

Nagarjun.

Upanyas & Realism

Bhism Sahani.

Premchand,

Drama & Theatre

short story.

Drama.

Criticism

Nai Alochana.

Yatra-vrittant.

ability of the candidates.

1. Kabir:

2. Surdas

Sakhis.)

III. Katha Sahitya

Α.

В.

C.

V.

Yash-

Section-A 1. Medieval Lay your sleeping head, my love (i) Vasantvilas phagu-Ajnatkrut

Kadambari-Bhalan

candidate.

(ii)

2.

(vi)

(v)

Mari

Dave

Ratnaji Bhatt)

of the texts prescribed and will be

designed to test the critical ability of the

(iii) Sudamacharitra-Premanand (iv) Chandrachandravatini varta-Shamal (v) Akhegeeta-Akho

Sudharakyug & Pandityug

Hakikat-Narmadashankar

(Manishankar

- (vii) Farbasveerah- Dalpatram (viii) Saraswatichandra-Part-I Govardhanram Tripathi Purvalap-'Kant'
- Raino Parvat-Ramanbhai Neel-(x) kanth Section-B 1. Gandhiyug & Anu Gandhiyug
- hand Gandhi (ii) Patanni Prabhuta-Kanhaiyalal Munshi (iii) Kavyani Shakti- Ramnarayan Vish-

Hind Swaraj-Mohandas Kar-mac-

wanath Pathak Saurashtrani Rasdhar Part 1- Zaverchand Meghani

Manvini Bhavai-Pannalal Patel

Adhunik yug (vii) Saptapadi-Umashankar Joshi (viii) Janantike- Suresh Joshi

(ix) Ashwatthama- Sitanshu

(vi) Dhvani-Rajendra Shah

aschandra

Paper-I (Answers must be written in Hindi)

HINDI

- Section-A History of Hindi Language and Nagari Lipi. Grammatical and applied forms of
- Apbhransh, Awahatta & Arambhik Hindi. II. Development of Braj and Awadhi as
- literary language during medieval period. Early form of Khari-boli in Siddha-III. Nath Sahitya, Khusero, Sant Sahitaya, Rahim etc. and Dakhni
- IV. Development of Khari-boli and Nagari Lipi during 19th Century.
- i.e. last one thousand years. Significant features of the Gujarati language: Phonology, morphology Standardisation of Hindi Bhasha & V.
- Ramchandra Shukla (First hundred Padas) Ramchrit Manas 3. Tulsidas (Sundar Kand) Kavitawali (Uttar Kand).

Employment News 16-22 March 2013 82 www.employmentnews.gov.in 4. Jayasi: Padmawat Ed. Shyam B. Cultural History of Karnataka Section-B Section-B: Sundar Das (Sinhal Dwip Khand & Kashmiri literature in the 14th century **History of Konkani literature:** Contribution of Dynasties to the cul-Candidates would be expected to be wellture of Karnataka: Chalukyas of (Socio-cultural and intellectual back-Nagmativiyog acquainted with Konkani literature and its Khand) Badami and Kalyani, Rashtrakutas, ground with special reference to Lal Hoysalas, Vijayanagara rulers, in litsocial and cultural background and con-5. Bihari: Bihari Ratnakar Ed. Dyad and Sheikhul Alam) sider the problems and issues arising out Jagnnath Prasad Ratnakar (First 2. Nineteenth century Kashmiri literaerary context. of them. 100 Dohas) Major religions of Karnataka and ture (development of various gen-History of Konkani literature from its : Bharat Bharati 6. Maithili (i) their cultural contributions. res: vatsun; ghazal; and mathnavi). probable source to the present Sharan Arts of Karnataka: Sculpture, Kashmiri literature in the first half of times, with emphasis on its major Gupta Architecture, Painting, Music, the twentieth century (with special works, writers and movements. : Kamayani (Chinta Dance-in the literary context. 7. Prasad reference to Mahjoor and Azad; varand Sharddha Sarg) Social and cultural background of Unification of Karnataka and its ious literary influences). Rag-Virag, Ed. Ram 8. Nirala: impact on Kannada literature. Modern Kashmiri literature (with from time to time. Vilas Sharma (Ram Ki Shakti Puja & Paper-II special refernece to the develop-(Answers must be written in Kannada) ment of the short story, drama, novel Konkani literature from the earliest Kukurmutta). The paper will require first-hand reading and nazm). to modern times. 9. Dinkar : Kurushetra of the Texts prescribed and will be Paper-II 10. Agyeya : Angan Ke Par Dwar designed to test the critical ability of the (Answers must be written in (Asadhya Vina) candidates. Kashmiri) study of Konkani folklore. 11. Muktiboth : Brahma Rakshas Section-A Section-A Paper-II : Badal Ko Ghirte 12. Nagarjun A. OLD KANNADA LITERATURE Intensive study of Kashmiri poetry (Answers must be written in Konkani) Dekha Hai, Akal Ke Bad, Harijan Vikramaarjuna Vijaya of Pampa upto the nineteenth century: Textual Criticism of Konkani Literature (cantos 12 & 13), (Mysore University i) Lal Dyad The paper will be designed to test the Section-B ii) Sheikhul Aalam Pub.) canidate's critical and analytical abilities. Bharatendu: Bharat Durdasha Vaddaraadhane (Sukumaraswamyia iii) Habba Khatoon Candidates would be expected to be well-2. Mohan Rakesh: Ashad Ka Ek Din Kathe, Vidyutchorana Kathe) Kashmiri poetry: 19th Century acquainted with Konkani Literature and Ramchandra Shukla: Chintamani B. Medieval Kannada Literature: i) Mahmood Gami (Vatsans) required to have a first-hand reading of (Part I) ii) Maqbool Shah (Gulrez) Vachana Kammata, Ed: K. the following texts: (Kavita Kya Hai] Shraddha Aur iii) Rasool Mir (Ghazals) Marulasiddappa K.R. Nagaraj Section-A Bhakti) (Bangalore University Pub.) iv) Abdul Ahad Nadim (N'at) **Prose** Dr. Satyendra: Nibandh Nilaya-Bal Janapriya Kanakasamputa, Ed. D. v) Krishanjoo Razdan (Shiv Lagun) a) Konkani Mansagangotri (exclud-Krishna Bhatt, Premchand, Gulab Javare Gowda (Kannada and vi) Sufi Poets (Text in Sanglaab, ing poetry) ed. by Prof. Olivinho Rai, Hajari Prasad Dwivedi, Ram Culture Directorate, Bangalore) published by the Deptt. of Kashmiri, Gomes Vilas Sharma, Agyeya, Kuber Nath Nambiyannana Ragale, Ed., T.N. University of Kashmir) b) Old Konkani language and litera-Rai. Twentieth Century Kashmiri poetry Sreekantaiah (Ta.Vem. Smaraka 3. ture-the Portuguese Role Premchand: Godan, Premchand ki (text in Azich Kashir Shairi, puba) Otmo Denvcharak-a novel by A.V

Grantha Male, Mysore) Kumaravyasa Bharata : Karna Parva (Mysore University) Bharatesha Vaibhava Sangraha Ed. Ta. Su. Shama Rao (Mysore

Section-B

Sarvashreshtha Kahaniyan, Ed.

Amrit Rai/Manjusha - Prem Chand ki

Sarvashreshtha Kahaniyan, Ed.

Phaniswar Nath Renu: Maila Anchal

Rajendra Yadav : Ek Dunia

Mannu Bhandari : Mahabhoi

KANNADA

Paper-I

(Answers must be written in

Section-A

History of Kannada Language

Kannada)

What is Language? General

Dravidian Family of Languages and

its specific features, Antiquity of

Language,

Dialects of Kannada Language :

Regional and Social Various aspects

of development of Kannada

Language: phonological and

Semantic changes. Language bor-

History of Kannada Literature

Ancient Kannada literature

Influence and Trends. Poets for

study: Specified poets from Pampa

to Ratnakara Varni are to be studied

in the light of contents, form and

Medieval Kannada literature : Influence

Vachana literature : Basavanna, Akka

Medieval Poets: Harihara, Raghavanka,

Dasa literature: Purandra and Kanaka.

Modern Kannada literature :

Section-B

Poetics and literary criticism:

Influence, trends and idealogies,

Navodaya, Pragatishila, Navya,

Definition and concepts of poetry:

Word, Meaning, Alankara, Reeti,

Modern Trends of literary criticism:

Historical,

Sangataya: Ratnakaravarni

Dalita and Bandaya.

Rasa, Dhwani, Auchitya.

Formalist,

Interpretations of Rasa Sutra.

Feminist, Post-colonial criticism.

Pampa,

Phases of its Development.

of Language.

Different

Janna,

Marxist,

Samanantar (All Stories)

Amrit Rai.

Prasad : Skandgupta

Yashpal: Divya

charecteristics

Kannada

rowing.

expression :

Nagachandra.

and Trends.

Mahadevi.

Kumar-Vyasa.

6.

7.

8.

Poetry: Hosagannada Kavite, Ed: G.H. Nayak (Kannada Saahitya Parishattu, Bangalore)

Academy, New Delhi).

Tughlak-Girish Karnad.

Male, Mysore.)

University.)

Imrapura.

A. Modern Kannada Literature

University)

Madhavi-Arupama Karanta Odalaala-Devanuru Niranjana Mahadeva Short Story: Kannada Sanna The following short story writers only: Kathegalu, Ed. G.H. Nayak (Sahitya Akhtar Mohi-ud-Din, Kamil, Hari Krishan

Drama: Shudra Tapaswi-Kuvempu.

Novel: Bettada Jeeva-Shivarama

Vichara Saahitya : Devaru-A.N. Moorty Rao (Pub : D.V.K. Moorty, Mysore.) B. Folk Literature: Janapada Swaroopa-Dr. H.M.

Nayak. (Ta. Vem. Smaraka Grantha

Janapada Geetaanjali-Ed.D. Javare

- Gowda. (Pub: Sahitya Academy, New Delhi.) Kannada Janapada Kathegalu-Ed. Paramashivaiah, (Mysore
- Makkalu Beledo. Beedi Ed. Kalegowda Nagavara (Pub Bangalore University.) Savirada Ogatugalu-Ed: S.G.
- KASHMIRI Paper-I

(Answers must be written in Kashmiri)

Section-A Genealogical relationship of the Kashmiri language: various theories.

- Areas of occurrence and dialects 2. (geographical/social)
- Phonology and grammar: i. Vowel and consonant system;
- ii. Nouns and pronouns with various case inflections;
- iii. Verbs: various types and tenses. Syntactic structure:

iii. Relativisation.

i. Simple, active and declarative statments; ii. Coordination;

- the making of Konkani literature Indian and Western influences on
- Modern literary trends in the various genres and regions including a

2. da Cruz.

lished by the Deptt. of Kashmiri,

Literary criticism and research work:

An analytical study of the short story

i) Afsana Majmu'a, published by the

Deptt. of Kashmiri, University of

ii) Kashur Afsana Az, published by

iii) Hamasar Kashur Afsana, pub-

ii) Marun-Ivan Ilyichun, (Kashmiri

version of Tolstoy's The Death of

Ivan liyich (Published by Kashmiri

i) Natuk Kariv Band, by Hari Krishan

ii) Qk Angy Natuk, ed. Motilal

Keemu. published by Sahitya

iii) Razi Oedipus, tr. Naji Munawar,

Mohammad Subhan Bhagat, pub-

lished by Deptt. of Kashmiri,

ii) Kashiry Luki Beeth (all volumes)

published by the J & K Cultural

KONKANI

Paper-I

(Answers must be written in Konkani)

Section-A

Origin and development of the lan-

Major variants of Konkani and their

Grammatical and lexicographic work

in Konkani, including a study of

adverbs, indeclinables

Konkani,

History of the Konkani Language:

guage and influences on it.

linguistic features.

Old Standard

cases,

and voices.

Kashur Luki Theatre by

published by Sahitya Akademi.

Kashmiri Folk Literature:

University of Kashmir.

lished by the Sahitya Akademi

Kaul, Hraday Kaul Bharti, Bansi Nirdosh,

development and various trends.

Section-B

University of Kashmir)

the Sahitya Akademi

Novel in Kashmiri:

Drama in Kashmiri

i) Mujrim by G.N. Gowhar

in Kashmiri.

Kashmir.

Gulshan Majid.

Deptt).

Kaul

Akademi.

Academy.

(ii)

(iv)

b) Vadoll ani Varem-A novel by Antonio Pereira. c) Devache Kurpen-a novel by V J P

3.

b) Konkani Lalit Niband-Essays-ed. by Shyam Verenkar c) Teen Dasakam-An Anthology-ed.

Varde Valavalikar

by Chandrakant Keni.

Bruno de Souza.

Saldanha.

a) Vajralikhani-Shenoy Goem-bab-

An anthology-ed. by Shantaram

a) Demand-Drama-by Pundalik Naik

b) Kadambini- A miscellany of mod-

ern Prose-ed. by Prof. OJF Gomes

a) Ev ani Mori: Poetry by Eduardo

Section-B

- & Smt. P.S. Tadkodkar. c) Ratha Tujeo Ghudieo-by Smt. Jayanti Naik.
- b) Abravanchem Yadnyadan-by Luis Mascarenhas.

Poetry

- a) Godde Ramayan-ed.by R.K. Rao
- b) Ratnahar I &II-collection of poems-ed. R.V. Pandit. a) Zayo Zuyo-poems-Manohar L.
- Sardessai. b) Kanadi Mati Konkani Kavi-Anthology of Poems-ed. Pratap
- Naik. 4. a) Adrushatache Kalle-Poems by Pandurang Bhangui.
- b) Yaman-Poems by Madhav Borkar

History of Maithili Language and its Literature (Answer to be written in Maithili) Part-A

History of Maithili Language Place of Maithili in Indo-European

MAITHILI

Paper-I

- language family. Origin and development of Maithili language. (Sanskrit, Prakrit, Avhatt,
- Maithili) 3. division of Maithili Periodic
 - Modern era)
 - Language. (Beginning, Middle era,
 - Maithili and its different dialects. Relationship between Maithili and other Eastern languages (Bengali, Assamese, Oriva).
- Origin and development of Tirhuta 6. Script.
- Standard and standardisation prob-7. Pronouns and Verbs in Maithili Language.

Part-B

Medieval Maithili Drama (Kirtaniya

Natak, Ankai Nat, Maithili dramas

Maithili Folk Literature (Folk Tales,

Folk Drama, Folk Stories, Folk

Development of different literary

Development of Maithili Magazines

Paper-II

(Answers must be written in Maithili)

The paper will require first-hand reading

of the prescribed texts and will test the

Part-A

Vidyapati Geet-Shati-Publisher:

Sahitya Akademi, New Delhi (Lyrics-

Govind Das Bhajanavali-Publisher:

Maithili Academy, Patna (Lyrics - 1

Mithilabhasha Ramayana - Chanda

Rameshwar Charit Mithila Ramayan

Datta-Vati-Surendra Jha 'Suman'

Keechak-Vadh-Tantra Nath Jha.

Samakaleen Maithili Kavita

Part-B

10. Varna Ratnakar - Jyotirishwar (only

Publisher: Sahitaya Akademi, New

Khattar Kakak Tarang - Hari Mohan

Bhaphait Chahak Jinagi-Sudhanshu

Academy, Patna (First Ten Stories

15. Kirti Rajkamlak-Publisher : Maithili

16. Katha-Sangrah-Publisher: Maithili

MALAYALAM

Paper-I

(Answers must be written in

Section-A

Unit 1-Early phase of Malayalam

1.1 Various theories: origin from proto

1.2 Relation between Tamil and

Malayalam: Six nayas of A.R.

Pattu school-definition, Ramachari-

tam, later pattu works-Niranam

of early manipravala works-

Chandrotsava, minor works. Later

Sandesakavya,

works-medieval

Dravidian, Tamil, Sanskrit.

works and Krishnagatha.

Champu and Attakkatha.

lads, Mappila songs.

2.1 Manipravalam-definition. Language

2.2 Folklore-Southern and Northern bal-

Malayalam

Bhashakautaliyam,

Brahmandapuranam, Attaprakaram,

Kramadipika and Nambiantamil.

Unit 3-Standardisation of Malayalam:

Unit 2-Linquistic features of :

Malayalam)

critical ability of the candidates.

Krishnajanm - Manbodh

Jha (only Sunder-Kand)

- Lal Das (only Bal-kand)

(only 1st and 2nd Cantos).

Pre-Vidyapati Literature.

written in Nepal).

forms in modern era.

(a) Prabandh-kavya

(b) Muktak-kavya

(d) Short Story

Songs).

(c) Novel

(e) Drama

(g) Criticism

(h) Memoirs

(i) Translation

and Journals.

to 25).

Chitra-Yatri

2nd Kallol)

13. Prithvi Putra-Lalit

12. Lorik-Vijaya-Manipadma

'Shekar' Choudhary.

Academy, Patna.

Language:

Rajarajavarma.

Champu,

2.3 Early

Manipravala

Delhi.

5.

6.

8.

(f) Essay

Vidyapati and his tradition.

2.

3.

- **History of Maithili Literature** Pana, Kilippattu and Tullal. Background of Maithili Literature (Religious, economic, social, cultur-
 - 3.2 Contributions of indigenous and European missionaries
 - Malayalam. Periodic division of Maithili literature.
 - 3.3 Characteristics of contemporary

3.1 Peculairities of the language of

Malayalam: Malayalam as administravie language. Language of scientific and technical literature-media

language. Section-B

Literary History Unit-4 Ancient and Medieval

- Literature: 4.1 Pattu-Ramacharitam, Niranam
- works and Krishnagatha. 4.2 Manipravalam-early and medieval manipravala including works attakkatha and champu.
 - 4.3 Folk literature. 4.4 Kilippattu, Tullal and Mahakavya. **Unit 5- Modern Literature-Poerty:**
 - 5.1 Venmani poets and contemporaries. 5.2 The advent of Romanticism-Poerty
- of Kavitraya i.e., Asan, Ulloor and Vallathol
- 5.3 Poetry after Kavitraya. 5.4 Modernism in Malayalam poetry.
- Unit 6- Modern Literature-Prose: 6.1 Drama 6.2 Novel
 - Short story Biography, travelogue, essay and
 - criticism. Paper-II (Answers must be written in

Malayalam) This paper will require first hand reading of the texts prescribed and is designed to

test the candidate's critical ability. Section-A Unit 1 1.1 Ramacharitam-Patalam 1. 1.2 Kannassaramayanam-Balakandam

first 25 stanzas.

Sita.

Kilippattu-1.4 Mahabharatham Bhishmaparvam. Unit 2

2.1 Kumaran Asan-Chintavisthayaya

1.3 Unnunilisandesam-Purvabhagam

25 slokas including Prastavana

- Vailoppilli-Kutiyozhikkal. G. Sankara Kurup-Perunthachan. Krishna Variar-Tivandiyile N.V.
- Pattu. Unit 3
- 3.1 ONV -Bhumikkoru Charamagitam 3.2 Ayyappa Panicker-Kurukshetram. Akkittam-Pandatha Messanthi

Attur Ravivarma-Megharupan. 3.4 Section-B Unit 4

4.1 O. Chanthu Menon-Indulekha

4.3 O V Vijayan-Khasakkinte Ithihasam.

anam

Unit 5 5.1 MT Vasudevan Nair-Vanaprastham

4.2 Thakazhy-Chemmin.

- (Collection). 5.2 N S Madhavan-Higvitta (Collection).
- 5.3 C J. Thomas-1128-il Crime 27. Unit 6 6.1 Kuttikrishna Marar-Bharataparyat-
- habhajanam 6.3 V.T. Bhattathirippad-Kannirum

6.2 M. K Sanu-Nakshatrangalute sne-

MANIPURI Paper-I

(Answers must be written in Manipuri) Section-A

Language: General characteristics of Manipuri

Language and history of its develop-

guage:

b)

ment; its importance and status Tibeto-Burman among the Languages of North-East India; recent development in the study of Manipuri language; evolution and study of old Manipuri script.

Significant features of Manipuri lan-

cluster and its occurrence, syllableits structure, pattern and types. Morphology: Word-class, root and its types; affix and its types; grammatical categories-gender, number, person, case, tense and aspects,

process of compounding (samas

Phonology-Phoneme-vowels, con-

sonants juncture, tone, consonant

- and sandhi). Syntax: Word order: types of sentences, pharse and clause struc-
- Section-B Literary History of Manipuri:

Early period (upto 17th century)-Social and cultural background;

tury)- Social, religious and political background; Themes, diction and style of the works. Modern period-Growth of major literary forms; change of Themes, dic-

Themes, diction and style of the

Medieval period (18th and 19th cen-

tion and style. Manipuri Folk Literature: b) Legend, Folktale, Folksong, Ballad, Proverb and Riddle.

Aspects of Manipuri Culture:

- Pre-Hindu Manipuri Faith; Advent of Hinduism and the process of syncreticism.
- Performing arts-Lai Haraoba, Maha Ras; Indegenous games-Sagol

Kangjei, Khong Kangjei, Kang. PAPER II (Answers must be written in Manipuri)

ability to assess them. Section-A Old and Medieval Manipuri Literature

Numit Kappa 2. M. Gourachandra Singh (Ed.) : Thawanthaba Hiran

(b) Medieval Manipuri Literature:

M. Chandra Singh (Ed.)

- Samsok Ngamba 2. R.K.Snahal Singh (Ed.)
- Ramayana Adi Kanda
- Chandrakirti Jila Changba Section-B

(I) Poetry: Manipuri Sheireng (Pub) Manipuri (a)

3.

4.

4.

Dr. L. Kamal Singh

- Nonggumlakkhoda L. Samarendra Singh : Ingagi Nong, Mamang Leikai

- Shri Biren
- (II) Epic: 1. A. Dorendrajit Singh
- 2. H. Anganghal Singh
- Prithivi
- : Kansa Bodha : Khamba-

- (III) Drama: 1. S. Lalit Singh
- 2. G.C. Tongbra
- 3. A. Samarendra

- Imung (b) Novel, Short-story and Prose :
- (I) Novel:

Thoibi

Sheirena

Shamu

Khonggi

Bichar)

: Areppa Marup

: Judge Sahebki

: Matric Pass

Magi Ishing,

Nungsitki Phibam

(San-Senba,

Lei Langba,

- 1. Dr. L. Kamal Singh: Madhabi
- 2. H. Anganghal Singh : Jahera 3. H. Guno Singh : Laman
- 4. Pacha Meetei : Imphal Amasung,
- (II) Short-story: Kanchi Warimacha (Pub) Manipur
- University 1997 (ed.) R.K. Shitaljit Singh : Kamala Kamala
- M.K. Binodini : Eigi Thahoudraba Heitup Lalu
- : Wanom Shareng Kh. Prakash (b) Parishadki Khangatlaba Warimacha (Pub) Manipuri Sahitya Parishad
- 1994 (ed.) S. Nilbir Shastri Loukhatpa R.K. Elangba : Karinunggi
 - Anouba Manipuri Warimacha (Pub) The Cultural Forum Manipur 1992 (ed.)
- N. Kunjamohon Singh: Ijat Tanba E. Dinamani : Nongthak Khongnang

The Cultural

1992 (ed.)

Forum Manipur

Wari Amasung

University 1998

: Lai-Haraoba

Mahakavya

(ed.)

: Phajaba

University,

1986 (ed.)

Sanskriti

Babu)

: Thoibidu

Warouhouida

: Kalagi Mahousa

(translated by I.R.

Forum Manipur

1999 (ed.)

: Khamba-Thoibigi

- (III) Prose: (a) Warenggi Saklon Due Part (Pub)
- Kh. Chaoba Singh
- (b) Kanchi Wareng (Pub) Manipur
- B. Manisana Shastri
- Ch. Manihar Singh (c) Apunba Wareng. (Pub) Manipur
- Ch. Pishak Singh: Samaj Amasung,
- M.K. Binodini
- Manipuri Wareng (Pub) The Cultural

Eric Newton

- S. Krishnamohan Singh: Lan
- MARATHI
- Paper-I (Answers must be written in Marathi)

Section-A Language and Folk-lore:

(a) Nature and Functions of Language (with reference to Marathi) Language as a signifying system :

- Langue and Parole; Basic functions;
- Poetic language; Standard Language and dialect; Language variations according to
- Linguistic features of Marathi in thirteenth century and seventeenth century. (b) Dialects of Marathi

social parameters.

- Ahirani; Varhadi; Dangi (c) Marathi Grammar Parts of Speech; Case-system; Prayog-
- vichar (Voice)
- (d) Nature and kinds of Folk-lore (with special reference to Marathi)
- Lok-Geet, Lok Katha, Lok Natya Section-B
- History of Literature and Literary
- Criticism:
- (a) History of Marathi Literature From beginning to 1818 AD, with
- special reference to the following:

- This paper will require first hand reading of the texts prescribed and will be designed to test the candidate's critical
- (a) Old Manipuri Literature O. Bhogeswar Singh (Ed.)
 - N. Khelchandra Singh (Ed.)

: Pi Thadoi, Lamgi

Chekla Amada,

: Nirjanata, Nirab

Lamangnaba

Loktak

Panthoibi Khonggul M. Chandra Singh (Ed.)

Naothingkhong Phambal Kaba

- N. Khelchandra SIngh (Ed.) Dhananjoy Laibu Ningba

O. Bhogeswar Singh (Ed.)

- Modern Manipuri Literature: Poetry and Epic :
- Sahitya Parishad, 1988 (ed.) Kh. Chaoba Singh
- Rajani A. Minaketan Singh : Kamalda,
- Thambal Satle E. Nilakanta Singh : Manipur,
- Shri Biren : Tangkhul Hui Th. Ibopishak : Anouba Thunglaba Jiba
- (b) Kanchi Sheireng. (Pub) Manipur University 1998 (ed.) Dr. L. Kamal Singh : Biswa-Prem
- : Chaphadraba Laigi Yen Th. Ibopishak : Norok Patal

84	www.employmentnews.gov.in Emplo						News 16-22 March 2013
	The Mahanubhava writers, the		Section-B	/6:	Oriya sounds.		tures of various dialects with
	Varkari poets, the Pandit poets, the Shahirs, Bakhar literature.	1.	History of Nepali literature with special reference to its development	(3)	Morphology: Morphemes (free, bound compound and complex),	-	rence to tones. Language and gin and development of
2.	From 1850 to 1990, with special reference to developments in the fol-	2.	in India. Fundamental concepts and theories		derivational and inflectional affixes, case inflection, conjugation of verb.	• •	suitability of Gurmukhi for
	lowing major forms : Poetry, Fiction	<u>-</u> .	of literature :	(4)	Syntax: Kinds of sentences and	(d) Classica	ıl background; Nath Jogi Sahit
	(Novel and Short Story), Drama; and major literary currents and move-		Kavya/Sahitya, Kavya Prayojan, Literary genres, Shabda Shakti,		their transformation, structure of sentences.	Medieval lite and Var Jar	erature : Gurmat, Sufti, Kissa hamsakhis.
	ments, Romantic, Realist,		Rasa, Alankara, Tragedy, Comedy,	(5)	Semantics-Different types of change		Section-B
(b)	Modernist, Dalit Gramin, Feminist. Literary Criticism	3.	Aesthetics, Stylistics. Major literary trends and move-	(6)	in meaning Euphemism. Common errors in spellings, gram-	(a) Modern Trends	Mystic, romantic, progressive and neomystic (Vir Singh,
1.	Nature and function of Literature;		ments- Swachchhandatavad, Yatharthavad,		matical uses and construction of sentences.		Puran Singh, Mohan Singh, Amrita Pritam, Bawa
2. 3.	Evaluation of Literature; Nature, Objectives and Methods of		Astitwavad, Ayamik Movement,	(7)	Regional variations in Oriya		Balwant, Pritam Singh
4	Criticism; Literature, Culture and Society.		Contemporary Nepali writings, Postmodernism.		Language (Western, Southern and Northern Oriya) and Dialects (Bhatri		Safeer, J.S. Neki). Experimentalist (Jasbir
	Paper-II	4.	Nepali folklores (the following folkform only)- Sawai, Jhyaurey, Selo,		and Desia) Section-B		Singh Ahluwalia, Ravinder
	nswers must be written in Marathi) tual study of prescribed literary		Sangini, Lahari.	(4)	History of Oriya Literature		Ravi, Ajaib Kamal) Aesthetes (Harbhajan
	works paper will require first-hand reading	(A	Paper-II Inswers must be written in Nepali)	(1)	Historical backgrounds (social, cultural and political) of Oriya Literature		Singh, Tara Singh) Neo-progressive (Pash.
	the texts prescribed and will be		s paper will require first hand reading the texts prescribed below and ques-	(2)	of different periods. Ancient epics, ornate kavyas and		Jagtar, Patar)
des abil	igned to test the candidate's critical	tion	is will be designed to test the candi-	. ,	padavalis.	Origin and (b) Folk	Development of Genres: Folk songs, Folk tales.
	Section-A	dat	e's critical acumen. Section-A	(3)	Typical structural forms of Oriya Literature (Koili, Chautisa, Poi,		Riddles,
(1)	se 'Smritishala'	1.	Santa Jnandil Das-Udaya Lahari Lekhnath Poudyal-Tarun Tapasi	(1)	Chaupadi, Champu).	literature Epic	Proverbs. (Vir Singh, Avtar Singh,
(2)	Mahatma Jotiba Phule	2.	(Vishrams III, V, VI, XII, XV, XVIII	(4)	Modern trends in poetry, drama short story, novel, essay and literary	Lyric	Azad Mohan Singh) (Gurus, Sufis and Modern
	"Shetkaryacha Asud; 'Sarvajanik Satyadharma'	3.	only) Agam Singh Giri-Jaleko Pratibimba :		criticism. Paper-II	_y110	Lyricists-Mohan Singh
(3)	S.V. Ketkar 'Brahmankanya;		Royeko Pratidhwani (The following	-	answers must be written in Oriya)		Amrita Pritam, Shiv Kumar, Harbhajan Singh)
(4)	P.K. Atre		poems only-rasawako Chichy-ahat- sanga Byunjheko Ek Raat,	The	ical Study of texts - paper will require first hand reading	(c) Drama	(I.C. Nanda, Harcharan
(5)	'Sashtang Namaskar' Sharchchandra Muktibodh		Chhorolai, Jaleko Pratibimba : Royeko Prati-dhwani, Hamro		ne text and test the critical ability of the didate.		Singh, Balwant Gargi, S.S.Sekhon, Charan Das
	'Jana Hey Volatu Jethe'		Akashmani Pani Hunchha Ujyalo,		Section-A	Novel	Sidhu) (Vir Singh, Nanak Singh,
(6)	Uddhav Shelke 'Shilan'	4.	Tihar). Haribhakta Katuwal-Yo Zindagi Khai	Poe	etry : (Ancient)	140461	Jaswant Singh Kanwal, K.S.
(7)	Baburao Bagul 'Jevha Mi Jaat Chorli Hoti'		Ke Zindagi: (The following poems only - Jeevan: Ek Dristi, Yo Zindagi	1.	Sarala Das-Shanti Parva from Mahabharãta.		Duggal, Sukhbir, Gurdial Singh, Dalip Kaur Tiwana,
(8)	Gouri Deshpande		Khai Ke Zindagi, Akashka tara Ke	2.	Jaganath Das-Bhagabate, XI	01	Swaran Chandan)
(9)	'Ekek Paan Galavaya' P.I. Sonkamble		Tara, Hamilai Nirdho Nasamjha, Khai Manyata Yahan Atmahutiko		Skandha-Jadu Avadhuta Sambada. (Medieval)	Short Story	(Sujan Singh, K.S. Virk. Prem Parkash, Waryam
	'Athavaninche Pakshi'	Ę.	Balidan Ko). Balkrishna Sama-Prahlad	3.	Dinãkrushna Das-Rasakallola- (Chhãndas-16 & 34)	(d) Socio-	Sandhu). Sanskrit, Persian and
Poe	Section-B etry	5. 6.	Manbahadur Mukhia-Andhyaroma	4.	Upendra Bhanja-Lãvanyabati	cultural	Western.
(1)	Namadevanchi Abhangawani'		Banchneharu (The following One- Act plays only-'Andhyaroma		(Chhandas-1 & 2) (Modern)	Literary influences	
	Ed: Inamdar, Relekar, Mirajkar Modern Book Depot, Pune		Banchneharu', 'Suskera').	5.	Radhanath Ray-Chandrabhaga	Essay	(Puran Singh, Teja Singh,
(2)	'Painjan' Ed : M.N. Adwant	1.	Section-B Indra Sundas-Sahara	6. 7.	Mayadhar Manasinha-Jeevan Chita Satchidananda Routray-Kabita-	Literary	Gurbaksh Singh) (S.S. Sekhon, Attar Singh,
(0)	Sahitya Prasar Kendra, Nagpur	2.	Lilbahadur Chhetri-Brahmaputrako Chheuchhau	8.	1962 Ramakanta Ratha-Saptama Ritu.	Criticism	Kishan Singh, Harbhajan Singh, Najam Hussain
(3)	'Damayanti-Swayamvar' By Raghunath Pandit	3.	Rupnarayan Sinha- Katha		Section-B		Sayyad).
(4)	'Balakvinchi Kavita' By Balkavi		Navaratna (The following stories only-Biteka Kura, Jimmewari Kasko,	9.	ma : Manoranjan Das-Katha-Ghoda	(Answers n	Paper-II nust be written in Punjabi in
(5)	'Vishakha'		Dhanamatiko Cinema-Swapna, Vidhwasta Jeevan).	10. No v	Bijay Mishra-Tata Niranjanã vel :	Gurumukhi	Script)
(6)	By Kusumagraj 'Mridgandh'	4.	Indrabahadur Rai-Vipana Katipaya		Fakir Mohan Senãpati-Chhamãna		will require first-hand reading ts prescribed and will be
	By Vinda Karandikar		(The following stories only- Raatbhari Huri Chalyo, Jayamaya		Athaguntha Gopinãth Mohanty-Danapani	designed to ability.	test the candidate's critical
(7)	'Jahirnama' By Narayan Surve		Aphumatra Lekha-pani Aipugi, Bhagi, Ghosh Babu, Chhutyaiyo).	Sho	ort Story : Surendra Mohanty-Maralara Mrityu	•	Section-A
(8)	'Sandhyakalchya Kavita' By Grace	5.	Sanu Lama-Katha Sampad (The	14.	Manoj Das-Laxmira Abhisara	a) Sheikh	Farid The complete Bani as included in the Adi
(9)	'Ya Sattet Jeev Ramat Nahi'		following stories only-Swasni Manchhey, Khani Tarma Ekdin,		a y : Chittaranjan Das-Taranga O Tadit	b) C	Granth.
	By Namdev Dhasal NEPALI		Phurbale Gaun Chhadyo, Asinapo Manchhey).		(First five essays). Chandra Sekhar Rath-Mun Satya-	•	lanak Japu Ji Baramah, Asadi Var
	NEPALI Paper-I	6.	Laxmi Prasad Devkota- Laxmi	10.	dhãrma Kahuchhi (First five essays)	c) Bulleh Sh d) Waris Sh	
(A	nswers must be written in Nepali)		Nibandha Sangraha (The following essays only-Sri Ganeshaya Namah,		PUNJABI	•	Section-B
1.	Section-A History of the origin and develop-		Nepali Sahityako Itihasma Sarvashrestha Purus, Kalpana, Kala	(Aı	Paper-I nswers must be written in Punjabi	a) Shah Mohammad	Jangnama (Jang I Singhan te Firangian)
	ment of Nepali as one of the new		Ra Jeevan, Gadha Buddhiman Ki	(- 1)	in Gurumukhi Script)	Dhani Ram	Chandan Vari
2.	Indo-Aryan Languages Fundamentals of Nepali Grammar	7.	Guru). Ramkrishna Sharma- Das Gorkha	(a)	Section-A Origin of Punjabi language : different	Chatrik (Po	et) Sufi Khana Nawan Jahan
	and phonology:(i) Nominal forms and categories :-	-	(The following essays only-Kavi,	stag	ges of development and recent devel- nent in Punjabi language : characteris-	b) Nanak Si (Novelist)	ingh Chitta Lahu Pavittar Papi
	Gender, Number, Case, Adjectives,		Samaj Ra Sahitya, Sahityama Sapekshata, Sahityik Ruchiko	tics	of Punjabi phonology and the study of	,	Ek Mian Do Talwaran
	Pronouns, Avyayas (ii) Verbal forms and categories-		Praudhata, Nepali Sahityako Pragati).		tones: classification of vowels and sonants.	c) GurbakshSingh (Essa	=
	Tense, Aspects, Voice, Roots and		ORIYA	(b)	Punjabi morphology : the number-		Merian Abhul Yadaan.
	Fixes (iii) Nepali Swara and Vyanjana;		Paper-I	pref	der system (animate and inanimate), ixes, affixes and different categories	Balraj Sahn	i Mera Roosi Safarnama
3. 4.	Major Dialects of Nepali Standardisation and Modernisation	(/	Answers must be written in Oriya) Section-A		ost positions: Punjabi word formation: sam. Tad Bhav, forms: Sentence	(Travelogue	e) Mera Pakistani Safarnama
-7.	of Nepali with special reference to		tory of Oriya Language	stru	cture, the notion of subject and object	d) Balwant	Gargi Loha Kutt
	language movements (viz. Halanta Bahiskar, Jharrovad etc.)	(1)	Origin and development of Oriya Language-Influence of Austric,		unjabi: Noun and verb phrases. Language and dialect; the notions of	(Dramatist)	Dhuni-di-Agg Sultan Razia
5.	Teaching of Nepali language in		Dravidian, Perso-Arabic and English on Oriya Language.	dial	ect and idiolect; major dialects of	Sant Singh	Sahityarth
	India-Its history and development with special reference to its socio-	(2)	Phonetics and Phonemics : Vowels,		njabi; Pothohari, Majhi, Doabi, Malwai, ndhi; the validity of speech variation on	Sekhon (Cr	itic) Parsidh Punjabi Kavi Punjabi Kav
<u></u>	cultural aspects.		Consonants Principles of changes in	the	basis of social stratification, the dis-		Shiromani

SANSKRIT

Paper-I

There will be three questions as indicated in the question paper which must be answered in Sanskrit. The remaining questions must be answered either in Sanskrit or in the medium of examination opted by the candidate.

Section-A

1. Significant features of the grammar, with particular stress on Sanjna, Sandhi, Karaka, Samasa, Kartari and Karmani vacyas (voice usages) (to be answered in Sanskrit).

- 2. (a) Main characteristics of Vedic Sanskrit language.
- (b) Prominent features of classical Sanskrit language. (c) Contribution of Sanskrit to linguistic
- studies.
- 3. General Knowledge of:-(a) Literary history of Sanskit,
- (b) Principal trends of literary criticism (c) Ramayana,
- (d) Mahabharata
- (e) The origin and development of literary geners of: Mahakavya

Rupaka (drama) Katha Akhyayika Campu Khandakavya

> Section-B Essentials of Indian Culture with

Muktaka Kavya.

b)

- stress on a) Purusarthas-Samskaras-
- Varnasramavyavastha c)
- d) Arts and fine arts
- Technical sciences e)
- Trends of Indian Philosophy a) Mimansa Vedanta b)
- Vaisesika c) Nyaya d) e) Sankhya f) Yoga
- g) Bauddha h) Jaina i) Carvaka Short Essay in Sanskrit
- to be answered in Sanskrit. Paper-II Question from Group 4 is to be answered

Unseen passage with the questions,

in Sanskrit only. Question from Groups 1, 2 and 3 are to be answered either in

Sanskrit or in the medium opted by the candidate. **Section-A** General study of the following groups:-

Group 1 a) Raghuvamsam-Kalidasa b) Kumarasambhavam-Kalidasa

- c) Kiratarjuniyam-Bharavi d) Sisupalavadham-Magha
- e) Naisadhiyacaritam-Sriharsa
- f) Kadambari-Banabhatta g) Dasakumaracaritam -Dandin h) Sivarajyodayam-S.B. Varnekar
- Group 2
- a) Isavasyopanisad b) Bhagavadgita

c) Sundarakanda of Valmiki's Ramayana d) Arthasastra of Kautilya

Group 3 a) Svapnavasavadattam- Bhasa

- b) Abhijnanasakuntalam- Kalidasa
- Mrcchakatikam-Sudraka
- d) Mudraraksasam-Visakhadatta Bhavabhuti e) Uttararamacaritamf) Ratnavali-Sriharshavardhana
- g) Venisamharam- Bhattanarayana
- Group 4
- Short notes in Sanskrit on the following:a) Meghadutam-Kalidasa
- b) Nitisatakam-Bhartrhari c) Panchtantra-
- d) Rajatarangini-Kalhana e) Harsacaritam-Banabhatta
- f) Amarukasatakam-Amaruka
- g) Gitagovindam-Jayadeva
- Section-B Questions from Groups 1 & 2 are to be

answered in Sanskrit only. (Questions

from Groups 3 & 4 are to be answered in Sanskrit or in the medium opted by the candidate). This Section will require first hand read-

(a) Raghuvansam-Canto I, Verses 1 to 10

(b) Kumarasambhavam-Canto I, Verses

(c) Kiratarjuniyam-Canto I, Verses 1 to 10

(a) Isavasyopanisad-verses-1, 2, 4, 6, 7,

(b) Bhagavatgita II chapter verses 13 to

(c) Sundarakandam of Valmiki Canto 15,

(b) Nitisatakam-Verses 1 to 10 (Edited by

D.D. Kosambi Bharatiya Vidya Bhavan

(c) Kadambari-Sukanaso-padesa (only)

(b) Abhijnansakuntalam Act IV verses 15

(c) Uttararamacharitam Act 1 verses 31 to

SANTHALI

Paper-I

(Answers must be written in Santhali)

Section-A

I. Main Austric Language family, popula-

II. Grammatical structure of Santhali

III. Important character of Santhali

Language: Phonology, Morphology,

IV. Impact of other languages on Santhali.

V. Standardization of Santhali Language.

I. Literary trends of the following four peri-

(b) Missionary period: Literature between

(c) Medieval period : Literature between

(d) Modern period: Literature from 1947

II. Writing tradition in History of Santhali

Section-B

Literary forms - Main characteristics, his-

tory and development of following literary

Part-I: Folk Literature in Santhali-folk

song, folk tale, phrase, idioms, puzzles

(a) Development of poetry and prominent

(b) Development of prose and prominent

Part-II: Modern literature in Santhali

(i) Novels and prominent Novelists.

(ii) Stories and prominent story writers.

(v) Essay, sketches, memoirs, trave-

Shyam Sunder Hembram, Pandit

Raghunath Murmu, Barha Beshra, Sadhu

Ramchand Murmu, Narayan Soren

'Toresutam', Sarada Prasad Kisku,

Raghunath Tudu, Kalipada Soren, Sakla

Soren, Digambar Hansda, Aditya Mitra

'Santhali', Babulal Murmu 'Adivasi',

Jadumani Beshra, Arjun Hembram,

Krishna Chandra Tudu, Rupchand

Hansda, Kalendra Nath Mandi, Mahadev

Hansda, Gour Chandra Murmu, Thakur

Prasad Murmu, Hara Prasad Murmu,

Uday Nath Majhi, Parimal Hembram,

Dhirendra Nath Baske, Shyam Charan

Hembram, Damayanti Beshra, T.K.

Rapaj, Boyha Biswanath Tudu.

(iii) Drama and prominent Dramatist.

(iv) Criticism and prominent critics.

logues and prominent writers.

Translation,

Semantics,

Part-II History of Santhali Literature.

ods of History of Santhali Literature.

(a) Ancient literature before 1854.

Part-I History of Santhali Language

Verses 15 to 30 (Geeta Press Edition)

(a) Meghadutam-verses 1 to 10

(a) Svapnavasavadattam Act VI

ing of the following selected texts:-

Group 1

1 to 10

Group 2

15 and 18

Group 3

Group 4

(M.R. Kale Edition)

47 (M.R. Kale Edition)

tion and distribution.

Language.

Syntax,

Lexicography.

1855 to 1889 AD.

1890 to 1946 AD.

AD to till date.

Literature.

and Kudum.

poets

writers.

Santhali writers:

Part-III: Cultural Heritage of Santhali tradition, customs, festival and rituals (birth, marriage and death).

Paper-II

(Answers must be written in Santhali) Section-A This paper will require in-depth reading of

the following texts and the questions will be designed to test the candidates' criticial ability.

- **Ancient Literature: Prose** Kherwal Bonso Dhorom Puthi-Majhi
- Mare Hapramko Reyak Katha-L.O. (b) Scrafsrud. Jomsim Binti Lita-Mangal Chandra (c)

Ramdas Tudu "Rasika".

Turkulumang Soren. (d) Marang Buru Binti-Kanailal Tudu.

Devi Dasain Sereng-Manindra

Poetry (a) Karam Sereng-Nunku Soren.

Hansda. (c) Horh Sereng-W.G. Archer.

- (d) Baha Sereng-Balaram Tudu
- Dong Sereng-Padmashri Bhagwat Murmu 'Thakur'
- (f) Hor Sereng-Raghunath Murmu. Soros Sereng-Babulal Murmu
- Hansda Judasi Madwa Latar-Tez Narayan

More Sin More Nida-Rup Chand

Murmu. Section-B

Modern Literature Part-I: Poetry

"Adivasi"

(a) Onorhen Baha Dhalwak-Paul Jujhar Soren.

Sutam"

(c) Chand Mala-Gora Chand Tudu. Onto Baha Mala-Aditya Mitra "Santhali"

(b) Asar Binti-Narayan Soren "Tore

- Tiryo Tetang-Hari Har Hansda (e) Sisirion Rar-Thakur Prasad Murmu. (f)
- Part-II: Novels Karstiars (a) Harmawak Ato-R.
- (b) Manu Mati-Chandra Mohan Hansda (c) Ato Orak-Doman Hansda

(Translator-R.R. Kisku Rapaz).

- (d) Ojoy Gada Dhiphre-Nathenial Murmu Part-III: Stories
- (a) Jiyon Gada-Rup Chand Hansda and Jadumani Beshra. (b) Mayajaal-Doman Sahu, 'Samir' and
- Part-IV: Drama (a) Kherwar Bir-Pandit Raghunath Murmu

Padmashri Bhagwat Murmu 'Thakur'

- (b) Juri Khatir-Dr. K.C. Tudu (c) Birsa Bir-Ravi Lal Tudu
- Part-V : Biography
- Santal Ko Ren Mayam Gohako-Dr. Biswanath Hansda.

(Answers must be written in Sindhi) (Arabic or Devanagari script)

1. (a) Origin and evolution of Sindhi language-views of different scholars. (b) Significant linguistic features of Sindhi

Section-A

SINDHI

Paper-I

- language, including those pertaining to its phonology, morphology and svntax.
- (c) Major dialects of the Sindhi language (d) Sindhi vocabularly-stages of its growth, including those in the prepartition and post-partition periods. Historical study of various Writing
- Systems (Scripts) of Sindhi. (f) Changes in the structure of Sindhi language in India, after partition, due to influence of other languages and social conditions.

Section-B

- Sindhi literature through the ages in context of socio-cultural conditions
- in the respective periods:
- b.

to 1850 A.D.

onwards.

travelogues.)

(1) Poetry

- Renaissance period from 1850 A.D.
- to 1947 A.D. Modern period from 1947 and d.
- (Literary genres in Modern Sindhi literature and experiments in poetry, drama, novel, short story, essay, literary criticism, biography, autobiography, memoirs, and

Paper-II

(Answers must be written in Sindhi) (Arabic or Devanagari script). This paper will require the first-hand read-

ing of the texts prescribed and will be designed to test the candidates' critical ability. Section-A References to context and critical appre-

ciation of the texts included in this sec-

a. "Shah Jo Choond Shair": ed. H.I. Sadarangani, Published by Sahitya Akademi (First 100 pages) b. "Sachal Jo Choond Kalam" : ed.

Kalyan B. Advani Published by Sahitya Akademi (Kafis only) c. "Sami-a-ja Choond Sloka": ed. B.H. Nagrani Published by Sahitya

Akademi (First 100 pages)

- "Shair-e-Bewas" : by Kishinchand Bewas ("Saamoondi Sipoon" portion only) e. "Roshan Chhanvro" : Narayan Shyam
- f. "Virhange Khanpoije Sindhi Shair jee Choond": ed. H.I. Sadarangani Published by Sahitya Akademi
- (2) Drama g. "Behtareen Sindhi Natak" (One-act
- Plays): Edited by M. Kamal Published by Gujarat Sindhi Academy. h. "Kako Kaloomal" (Full-length Play) : by
- Section-B References to context and critical appreciation of the texts included in this sec-

Madan Jumani

- 'Pakheeara Valar Khan Vichhrya' (Novel): by Gobind Malhi
- 'Sat Deenhan' (Novel) : by Krishan Khatwani c. 'Choond Sindhi Kahanyoon' (Short Stories) Vol. III. : Edited by Prem
- Prakash, Published by Sahitya Akademi. d. 'Bandhan' (Short Stories) : Sundari Uttamchandani

e. 'Behtareen Sindhi Mazmoon' (Essays)

by Gujarat Sindhi Akademi.

: Edited by Hiro Thakur, published

- f. 'Sindhi Tanqeed' (Criticism): Edited by Harish Vaswani : Published by Sahitya Akademi.
- varqa' (Autobiography) : by Popati Hiranandani h. "Dr. Choithram Gidwani" (Biography): by Vishnu Sharma

g. 'Mumhinjee Hayati-a ja Sona Ropa

Paper-I (Answers must be written in Tamil) Section-A

TAMIL

Part: 1 History of Tamil Language Major Indian Language Families-The place of Tamil among Indian languages in

general and Dravidian in particular-Enumeration and Distribution of Dravidian languages. The language of Sangam literature-The

Borrowing of words from other languages

language of medieval Tamil: Pallava period only-Historical study of Nouns, Verbs, adjectives, adverbs Tense markers and

case markers in Tamil.

into Tamil-Regional and social dialectsdifference between literary and spoken Tamil.

Part: 2 History of Tamil Literature Tolkappiyam-Sangam Literatue-The divi-

sion of Akam and puram-The secular characteristics of Sangam Literature-The

Early medieval literature upto 1350 A.D. including folk literature.

Late medicval period from 1350 A.D.

www.employmentnews.gov.in **Employment News 16-22 March 2013** development of Ethical literature-1. Place of Telugu among Dravidian Charitra Nannaya-Dushyanta 6. Faiz Dast-e-Saba Silappadikaram and Manimekalai. Bint-e-Lamhat languages and its antiquity-(Adiparva 4th Canto verses 5-109) 7. Akhtruliman Part: 3 Devotional literature (Alwars Etymological history of Telugu, Tikkana-Sri Krishna Rayabaramu **MANAGEMENT** and Nayanmars) The bridal mysticism in Tenugu and Andhra. (Udyoga parva -3rd Canto verses 1-The candidate should make a study of

Pingali

Alwar hymns-Minor literary forms (Tutu, Ula, Parani, Kuravanji)

Social factors for the development of

Modern Tamil literature: Novel, Short

story and New Poetry-The impact of vari-

ous political ideologies on modern writ-

Section-B

Part:1 Recent trends in Tamil Studies

Approaches to criticism: Social, psycho-

logical, historical and moralistic-the use

of criticism-the various techniques in liter-

ature: Ullurai, Iraicchi, Thonmam (Myth)

(Satire), Meyppadu, Padimam(image),

Kuriyeedu (Symbol), Irunmai (ambiguity)-

The concept of comparative literature-the

Part: 2 Folk literature in Tamil: Ballads,

Songs, proverbs and riddles-Sociological

study of Tamil folklore. Uses of transla-

tion-Translation of Tamil works into other

languages-Development of journalism in

Part: 3 Cultural Heritage of the Tamils

Concept of Love and War-Concept of

Aram-the ethical codes adopted by the

ancient Tamils in their warfare-customs,

beliefs, rituals, modes of worship in the

five Thinais. The cultural changes as

revealed in post sangam literature-cultur-

al fusion in the medieval period (Jainism

& Buddhism). The development of arts

and architecture through the ages

(Pallavas, later cholas, and Nayaks). The

impact of various political, social, reli-

gious and cultural movements on Tamil

Society. The role of mass media in the

cultural change of contemporary Tamil

Paper-II

(Answers must be written in Tamil)

The paper will require first hand reading

of the Text prescribed and will be

designed to test the critical ability of the

Section-A

Purananurui (182-200 poems)

Tirukkural Porutpal : Arasiyalum

Amaichiyalum (from Iraimatchi to

Silappadikaram: Madhurai Kandam

Kambaramayanam: Kumbakarunan

Tiruvasagam: Neetthal Vinnappam

Section-B

Bharathidasan: Kudumba Vilakku

Varadharajanar.

Part: 2 Novel, Short story and Drama

Naa. Kamarasan: Karuppu Malarkal

C N Annadurai: Ye! Thazhntha

Aramum

Part: 1 Ancient Literature

Avaianjamai)

Part: 2 Epic Literature

Vadhai Padalam

Modern Literature

Prose

Arasiyalum

Tamilagame.

Part: 3 Folk Literature

Akilon: Chittirappavai

Part:1 Poetry

Mu.

Part 3: Devotional Literature

Tiruppavai: (Full Text)

Bharathiar: Kannan Pattu

Kuruntokai (1-25 poems)

society.

candidate.

(2)

(3)

(3)

principle of comparative literature.

(allegory),

Angadam

ings.

Otturuvagam

Major linguistic changes in phonological, morphological, grammatical

and syntactical levels, from Proto-Dravidian to old Telugu and from old

Telugu to Modern Telugu.

Evolution of spoken Telugu when

compared to classical Telugu-Formal and functional view of Telugu language. Influence of other languages and its impact on Telugu. Modernization of Telugu language.

(a) Linguistic and literary movements and their role in modernization of Telugu. (b) Role of media in modernization of Telugu (Newspapers, Radio, TV

etc.) (c) Problems of terminology and mechanisms in coining new terms in Telugu in various discourses including scientific and technical.

Dialects of Telugu-Regional and social variations and problems of standardization.

Syntax-Major divisions of Telugu sentences-simple, complex and compound sentences-Noun and verb predications-Processes of nominlization and relativization-Direct and indirect reporting-conversion processes. Translation-Problems of translation, cultural, social and idiomatic-

Methods of translation-Approaches

to translation-Literary and other

kinds of translation-various uses of

Section-B

translation.

Dwipada,

Tyagayya.

Literature

Marga and Desi poetry. Nannaya Period-Historical and literbackground of Andhra Mahabharata.

Saiva poets and their contribution-

Sataka,

Ragada,

Literature in Pre-Nannaya Period-

Udaharana. Tikkana and his place in Telugu literature. Errana and his literary works-

Nachana Somana and his new

Tallapaka Annamayya, Ramadasu,

Evolution of prabandhas-Kavya and

approach to poetry. Srinatha and Potana-Their woks and contribution. Bhakti poets in Telugu literature-

prabandha. 9. Southern school of Telugu literature-Raghunatha Nayaka, Chemakura

Vankatakavi and women poets-Literary forms like yakshagana, prose and padakavita. 10. Modern Telugu Literature and literary forms-Novel, Short Story, Drama, Playlet and poetic forms.

Literary Movements: Reformation,

Nationalism, Neo-classicism, Romanticism and Progressive, Revolutionary movements. 12. Digambarakavulu, Feminist and Dalit Literature.

13. Main divisions of folk literature-

Performing folk arts. Paper-II (Answers must be written in Telugu) This paper will require first hand reading of the prescribed texts and will be

designed to test the candidate's critical ability, which will be in relation to the following approaches. Aesthetic approach-Rasa, Dhwani, Vakroti and Auchitya-Formal and Structural-Imagery and Symbolism. Sociological, Historical, Ideological,

Psychological approaches.

Section-A

Surana-Sugatri

(Balakanda

Sastry-

Srinatha-Guna Nidhi Katha (Kasi-

khandam, 4th Canto, verses 76-133)

Salinulakatha (Kalapurnodayamu 4

Kasula Purushothama Kavi-Andhra

Gurajada Appa Rao-Animutyalu

Viswanatha Satyanarayana-Andhra

Krishnapaksham (excluding Urvasi

12. C. Narayana Reddy-Karpuravasanta

15. Racha konda Visswanatha Sastry-

URDU

Paper-I

(Answers must be written in Urdu)

Section-A

a) Development of Indo-Aryan (i) Old

b) Western Hindi and its dialects Brij

the origin of Urdu Language

Indo-Aryan (ii) Middle Indo Aryan (iii)

Bhasha Khadi Boli, Haryanavi

Kannauji, Bundeli-Theories about

ment, its significant linguistic fea-

Social and Cultural roots of Urdu

language-and its distinctive fea-

Genres and their development : (i)

Poetry: Ghazal, Masnavi, Qasida,

Inshaiya,

Significant features of : (i) Deccani,

Section-B

Marsia, Rubai, Jadid Nazm,

Phonology, Morphology,

Development of Urdu Language

New Indo Aryan

tures.

tures.

Script.

Drama,

Biography.

Vocabulary.

Kanuparti Varalakshmamma-Sarada

Krishna

Section-B

Canto verses, 60-142)

Molla-Ramayanamu

including avatarika)

Nayaka Satakamu

(Short stories)

prasasti

rayalu.

14. Atreya-N.G.O.

Alpajaeevi.

Devulapalli

and Pravasam)

lekhalu (Part I)

10. Sri Sri-Maha prastanam.

11. Jashuva-Gabbilam (Part I)

the concept and development of management as science and art drawing upon the contributions of leading thinkers of management and apply the concepts to the real life of government and business decision making keeping in view the changes in the strategic and operative environment. PAPER - I

1. Managerial Function and Process:

Foundations Concept and Management, Evolution of Management

Thoughts; Managerial Functions -Planning, Organizing, Controlling; Decision making; Role of Manager, Managerial skills; Entrepreneurship; Management of innovation; Managing in a global environment, Flexible Systems Management; Social responsibility and managerial ethics; Process and customer

orientation; Managerial processes on

direct and indirect value chain.

2. Organisational Behaviour and Design:

Conceptual model of organization behaviour; The individual processes - personality, values and attitude, perception, motivation, learning and reinforcement, work stress and stress management; The dynamics of organization behaviour power and politics, conflict and negotiation, leadership process and styles, communication; The Organizational Processes - decision making, job design; Classical, Neoclassical and Contingency approaches to organizational design;

Organizational theory and design - orga-

nizational culture, managing cultural

Knowledge Based Enterprise – systems

and processes; Networked and virtual

Human resource planning; Job analysis;

Job evaluation; Recruitment and selec-

tional climate and Industrial relations;

Human resources accounting and audit;

Human resource information system;

International human resource manage-

Financial accounting - concept, impor-

tance and scope, generally accepted

accounting principles, preparation of

financial statements with special refer-

ence to analysis of a balance sheet and

measurement of business income, inven-

tory valuation and depreciation, financial

statement analysis, fund flow analysis,

Management accounting - concept,

need, importance and scope; Cost

accounting - records and processes, cost

ledger and control accounts, reconcilia-

tion and integration between financial and

cost accounts; Overhead cost and con-

trol, Job and process costing, Budget and

budgetary control, Performance budget-

ing, Zero-base budgeting, relevant cost-

ing and costing for decision-making, stan-

cash

4. Accounting for Managers:

statement of

Training and development;

change and development;

diversity, learning organization; organiza-Dakhani Urdu-Origin and develop-

3. Human Resource Management: HR challenges; HRM functions; The future challenges of HRM; Strategic Management of human resources;

tion:

organizations.

Promotion and transfer; Performance Prose: Novel, Short Story, Dastan, management: Compensation management and benefits; Employee morale and Khutoot, productivity; Management of organiza-

Delhi and Lucknow schools (ii) Sir Syed movement, Romantic movement, Progressive movement, Modernism.

Literary Criticism and its development with reference to Hali, Shibli, Kaleemuddin Ahmad. Ehtisham Hussain, Ale-Ahmad Suroor. Essay writing (covering literary and

imaginative topics)

2. Ghalib

5. Rajendra Singh

This paper will require first hand reading of the texts prescribed and will be designed to test the candidate's critical

Paper-II

(Answers must be written in Urdu)

ability. Section-A 1. Mir Amman Bagho-Babar

3. Mohd. Husain Nairang-e-Khayal Azad 4. Prem Chand Godan

Ghalib

Intikhab-e-Khutoot-e

Apne Dukh Mujhe

Bedi Dedo 6. Abul Kalam Azad Ghubar-e-Khatir

Section-B 1. Mir

2. Mir Hasan Sahrul Bayan 3. Ghalib Diwan-e-Ghalib

Bal-e-Jibrail 4. Iqbal 5. Firaq

dard costing and variance analysis, marginal costing and absorption costing. 5. Financial Management:

Goals of finance function; Concepts of

Intikhab-e-Kalam-e-Mir (Ed. Abdul Haq.) value and return; Valuation of bonds and shares; Management of working capital: Estimation and financing; Management of cash, receivables, inventory and current Gul-e-Naghma liabilities; Cost of capital; Capital budget-

(1) Muthuppattan Kathai Edited by Na. Vanamamalai, (Publication: Madurai

Jayakanthan: Gurupeedam

Cho: Yarukkum Vetkamillai

- Kamaraj University) Malaiyaruvi, Edited by Ki. Va
- Jagannathan (Publication: Saraswathi, Mahal, Thanjavur) **TELUGU**

Paper-I (Answers must be written in Telugu) Section-A Language

ing; Financial and operating leverage; Design of capital structure: theories and practices; Shareholder value creation: dividend policy, corporate financial policy and strategy, management of corporate distress and restructuring strategy; Capital and money markets: institutions and instruments; Leasing, hire purchase and venture capital; Regulation of capital market; Risk and return: portfolio theory; CAPM; APT; Financial derivatives: option, futures, swap; Recent reforms in financial sector.

6. Marketing Management:

Concept, evolution and scope; Marketing strategy formulation and components of marketing plan; Segmenting and targeting the market; Positioning and differentiating the market offering; Analyzing competition; Analyzing consumer markets; Industrial buyer behaviour; Market research; Product strategy; Pricing strategies; Designing and managing Marketing channels: Integrated marketing communications; Building customer satisfaction, Value and retention; Services and non-profit marketing; Ethics in marketing; Consumer protection; Internet marketing; Retail management; Customer relationship management;

1. Quantitative Techniques in Decision Making: Descriptive statistics – tabular, graphical

PAPER - II

Concept of holistic marketing.

and numerical methods, introduction to probability, discrete and continuous probability distributions, inferential statisticssampling distributions, central limit theorem, hypothesis testing for differences between means and proportions, inference about population variances, Chisquare and ANOVA, simple correlation and regression, time series and forecasting, decision theory, index numbers;

Production Operations Management: Fundamentals of operations manage-

Linear programming - problem formula-

tion, simplex method and graphical solu-

and

tion, sensitivity analysis.

ment; Organizing for production; Aggregate production planning, capacity planning, plant design: process planning, plant size and scale of operations, Management of facilities; Line balancing; Equipment replacement and maintenance; Production control; Supply chain management - vendor evaluation and audit; Quality management; Statistical process control, Six Sigma; Flexibility and agility in manufacturing systems; World class manufacturing; Project management concepts, R&D management, Management of service operations; Role and importance of materials management, value analysis, make or buy decision; Inventory control, MRP; Waste management. 3. Management Information System:

Conceptual foundations of information

systems; Information theory; Information resource management; Types of information systems; Systems development -Overview of systems and design; System development management life-cycle, Designing for online and distributed environments; Implementation and control of project; Trends in information technology; Managing data resources - Organising data; DSS and RDBMS; Enterprise Resource Planning (ERP), Expert systems, e-Business architecture, e-Governance; Information systems planning, Flexibility in information systems; User involvement; Evaluation of information systems.

4. Government Business Interface: State participation in business. Interaction between Government. Business and different Chambers of Commerce and Industry in India; Government's policy with regard to Small Scale Industries; Government clearances for establishing a new enterprise; Public Distribution System; Government control over price and distribution; Consumer Protection Act (CPA) and The Role of voluntary organizations in protecting consumers' rights; New Industrial Policy of the Government: liberalization, deregulation and privatisa-Indian planning Government policy concerning development of Backward areas/regions; The Responsibilities of the business as well as the Government to protect the environment; Corporate Governance; Cyber Laws. 5. Strategic Management:

and scope of strategic management,

Business policy as a field of study; Nature

Strategic intent, vision, objectives and policies; Process of strategic planning implementation; Environmental analysis and internal analysis; SWOT analysis; Tools and techniques for strategic analysis - Impact matrix: The experience curve, BCG matrix, GEC mode, Industry analysis, Concept of value chain; Strategic profile of a firm; Framework for analysing competition; Competitive advantage of a firm; Generic competitive strategies; Growth strategies - expansion, integration and diversification; Concept of core competence, Strategic flexibility; Reinventing strategy; Strategy and structure: Chief Executive and Board; Turnaround management: Management of strategic change; Strategic alliances, Mergers Acquisitions; Strategy and corporate evolution in the Indian context.

International Business Environment: Changing composition of trade in goods

and services; India's Foreign Trade:

Policy and trends; Financing of

International trade; Regional Economic

6. International Business:

Cooperation; FTAs; Internationalisation of service firms; International production; Operation Management in International companies: International Taxation: Global competitiveness and technological developments; Global e-Business; Designing global organisa-tional structure and control; Multicultural management; Global business strategy; Global marketing strategies; Export Management; Export-Import procedures; Joint Ventures; Foreign Investment: Foreign investment and foreign portfolio invest-Cross-border Mergers ment: Acquisitions; Foreign Exchange Risk Exposure Management; World Financial Markets and International Banking; External Debt Management; Country Risk Analysis.

PAPER - I (1) Linear Algebra:

MATHEMATICS

Vector spaces over R and C, linear

dependence and independence, sub-

spaces, bases, dimension; Linear transformations, rank and nullity, matrix of a linear transformation. Algebra of Matrices; Row and column reduction, Echelon form, congruence's and similarity; Rank of a matrix; Inverse of a matrix; Solution of system of linear equations; Eigenvalues and eigenvectors, characteristic polynomial, Cayley-Hamilton theorem, Symmetric, skewsymmetric, Hermitian, skew-Hermitian, orthogonal and unitary matrices and their eigenvalues. (2) Calculus:

Real numbers, functions of a real variable, limits, continuity, differentiability, mean-value theorem, Taylor's theorem with remainders, indeterminate forms, maxima and minima, asymptotes; Curve tracing; Functions of two or three variables: limits, continuity, partial derivatives, maxima and minima, Lagrange's method of multipliers, Jacobian.

Riemann's definition of definite integrals; Indefinite integrals; Infinite and improper integrals; Double and triple integrals (evaluation techniques only); Areas, surface and volumes.

(3) Analytic Geometry:

Cartesian and polar coordinates in three dimensions, second degree equations in three variables, reduction to canonical forms, straight lines, shortest distance between two skew lines; Plane, sphere, cone, cylinder, paraboloid, ellipsoid, hyperboloid of one and two sheets and their properties. (4) Ordinary Differential Equations:

Formulation of differential equations;

Equations of first order and first degree, integrating factor; Orthogonal trajectory; Equations of first order but not of first degree, Clairaut's equation, singular Second and higher order linear equations with constant coefficients, complementary function, particular integral and gener-

Determination of complete solution when one solution is known using method of variation of parameters. Laplace and Inverse Laplace transforms and their properties; Laplace transforms of elementary functions. Application to initial value problems for 2nd order linear

equations with constant coefficients.

Second order linear equations with vari-

able coefficients, Euler-Cauchy equation;

(5) Dynamics & Statics: Rectilinear motion, simple harmonic motion, motion in a plane, projectiles;

al solution.

conservation of energy; Kepler's laws, orbits under central forces. Equilibrium of a system of particles; Work and potential energy, friction; common catenary; Principle of virtual work; Stability of equilibrium, equilibrium of forces in three dimensions. (6) Vector Analysis:

constrained motion; Work and energy,

Scalar and vector fields, differentiation of vector field of a scalar variable: Gradient.

cylindrical coordinates; Higher order derivatives; Vector identities and vector equations. Application to geometry: Curves in space, Curvature and torsion; Serret-Frenet's Gauss and Stokes' theorems, Green's

divergence and curl in cartesian and

PAPER - II (1) Algebra:

Groups, subgroups, cyclic groups,

cosets, Lagrange's Theorem, normal

identities.

subgroups, quotient groups, homomorphism of groups, basic isomorphism theorems, permutation groups, Cayley's theorem. Rings, subrings and ideals, homomorphisms of rings; Integral domains, principal ideal domains, Euclidean domains

and unique factorization domains; Fields, quotient fields. (2) Real Analysis: Real number system as an ordered field

with least upper bound property;

Sequences, limit of a sequence, Cauchy sequence, completeness of real line; Series and its convergence, absolute and conditional convergence of series of real and complex terms, rearrangement of series. Continuity and uniform continuity of functions, properties of continuous functions on compact sets.

Riemann integral, improper integrals; Fundamental theorems of integral calcu-

Uniform convergence, continuity, differentiability and integrability for sequences and series of functions; Partial derivatives of functions of several (two or three)

variables, maxima and minima.

(3) Complex Analysis: Analytic functions, Cauchy-Riemann equations, Cauchy's theorem, Cauchy's integral formula, power series representation of an analytic function, Taylor's series; Singularities; Laurent's series; Cauchy's residue theorem; Contour integration.

(4) Linear Programming:

Linear programming problems, basic solution, basic feasible solution and optimal solution; Graphical method and simplex method of solutions; Duality. Transportation and assignment prob-

(5) Partial differential equations:

Family of surfaces in three dimensions and formulation of partial differential equations; Solution of quasilinear partial differential equations of the first order, Cauchy's method of characteristics; Linear partial differential equations of the second order with constant coefficients, and their solutions.

canonical form; Equation of a vibrating string, heat equation, Laplace equation (6) Numerical Analysis and Computer programming: Numerical methods: Solution of algebraic and transcendental equations of one variable by bisection, Regula-Falsi and

Newton-Raphson methods; solution of

system of linear equations by Gaussian

elimination and Gauss-Jordan (direct), Gauss-Seidel(iterative) methods. Newton's (forward and backward) interpolation, Lagrange's interpolation. Numerical integration: Trapezoidal rule,

Simpson's rules, Gaussian quadrature

formula. Numerical solution of ordinary differential equations: Euler and Runga Kutta-meth-

Computer Programming: Binary system; Arithmetic and logical operations on numbers; Octal and Hexadecimal systems; Conversion to and from decimal systems:

cept of memory; Basic logic gates and truth tables, Boolean algebra, normal Representation of unsigned integers, signed integers and reals, double preci-

Elements of computer systems and con-

Algorithms and flow charts for solving numerical analysis problems. (7) Mechanics and Fluid Dynamics:

sion reals and long integers.

Algebra of binary numbers.

principle and Lagrange's equations; Hamilton equations; Moment of inertia; Motion of rigid bodies in two dimensions. Equation of continuity; Euler's equation of motion for inviscid flow; Stream-lines, path of a particle; Potential flow; Twodimensional and axisymmetric motion; Sources and sinks, vortex motion; Navier-Stokes equation for a viscous

Generalized coordinates; D' Alembert's

PAPER - I 1. Mechanics: 1.1 Mechanics of rigid bodies:

MECHANICAL ENGINEERING

Equations of equilibrium in space and its

application; first and second moments of

area; simple problems on friction; kinematics of particles for plane motion; elementary particle dynamics. 1.2 Mechanics of deformable bodies: Generalized Hooke's law and its applica-

tion; design problems on axial stress, shear stress and bearing stress; material properties for dynamic loading; bending shear and stresses in beams;. determination of principle stresses and strains analytical and graphical; compound and combined stresses: bi-axial stresses thin walled pressure vessel; material behaviour and design factors for dynamic load; design of circular shafts for bend-

beam for statically determinate problems; theories of failure.

2. Engineering Materials: Basic concepts on structure of solids;

ing and torsional load only; deflection of

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common ferrous and non-ferrous materiboundary layer their thickness; Prandtl als and their applications; heat-treatment of steels; non-metals- plastics, ceramics,

composite materials and nano-materials. 3. Theory of Machines: Kinematic and dynamic analysis of plane mechanisms. Cams, Gears and epicyclic zontal and vertical plates. gear trains, flywheels, governors, balancing of rigid rotors, balancing of single and multicylinder engines, linear vibration analysis of mechanical systems (single

whirling of shafts. 4. Manufacturing Science:

4.1 Manufacturing Process:

88

Machine tool engineering - Merchant's force analysis; Taylor's tool life equation; conventional machining; NC and CNC machining process; jigs and fixtures.

degree of freedom), Critical speeds and

Non-conventional machining - EDM, ECM, ultrasonic, water jet machining etc; application of lasers and plasmas; energy rate calculations.

Forming and welding processes- standard processes. Metrology - concept of fits and tolerances; tools and gauges; comparators;

inspection of length; position; profile and surface finish. 4.2. Manufacturing Management:

System design: factory location- simple OR models; plant layout - methods based; applications of engineering economic analysis and break- even analysis for product selection, process selection

and capacity planning; predetermined time standards. System planning; forecasting methods based on regression and decomposition, design and balancing of multi model and stochastic assembly lines; inventory management – probabilistic inventory models for order time and order quantity

determination; JIT systems; strategic

and

control:

sourcing; managing inter plant logistics.

operations

System

Scheduling algorithms for job shops; applications of statistical methods for product and process quality control applications of control charts for mean, range, percent defective, number of defectives and defects per unit; quality cost systems; management of resources,

organizations and risks in projects.

systems, such as total quality management, developing and managing flexible, lean and agile organizations. PAPER - II 1. Thermodynamics, Gas Dynamics

System improvement: Implementation of

1.1 Basic concept of First -law and second law of Thermodynamics; concept of entropy and reversibility; availability and unavailability and irreversibility. 1.2 Classification and properties of fluids;

incompressible and compressible fluids flows; effect of Mach number and compressibility; continuity momentum and energy equations; normal and oblique shocks; one dimensional isentropic flow; flow or fluids in duct with frictions that transfer.

1.3 Flow through fans, blowers and compressors: axial and centrifugal flow configuration; design of fans and compressors; single problems compresses and turbine cascade; open and closed cycle gas turbines; work done in the gas turbine; reheat and regenerators. 2. Heat Transfer: 2.1 Conduction heat transfer- general

conduction equation - Laplace, Poisson and Fourier equations; Fourier law of conduction; one dimensional steady state heat conduction applied to simple wall, solid and hollow cylinder & spheres. 2.2 Convection heat transfer- Newton's law of convection; free and forces convection: heat transfer during laminar and

turbulent flow of an incompressible fluid

over a flat plate; concepts of Nusselt

number, hydrodynamic and thermal

number; analogy between heat and momentum transfer- Reynolds, Colbum, Prandtl analogies; heat transfer during laminar and turbulent flow through horizontal tubes; free convection from hori-2.3 Black body radiation - basic radiation laws such as Stefan-Boltzman, Planck distribution, Wein's displacement etc.

2.4 Basic heat exchanger analysis; classification of heat exchangers. 3. I.C. Engines:

3.1 Classification, thermodynamic cycles

of operation; determination of break power, indicated power, mechanical efficiency, heat balance sheet, interpretation of performance characteristics, petrol, gas and diesel engines. 3.2 Combustion in SI and CI engines, normal and abnormal combustion; effect of working parameters on knocking,

tion chamber for SI and CI engines; rating of fuels; additives; emission. 3.3 Different systems of IC enginesfuels; lubricating; cooling and transmission systems. Alternate fuels in IC engines.

reduction of knocking; Forms of combus-

4. Steam Engineering: 4.1 Steam generation- modified Rankine

cycle analysis; Modern steam boilers; steam at critical and supercritical pressures; draught equipment; natural and artificial draught; boiler fuels solid, liquid and gaseous fuels. Steam turbines - principle; types; compounding; impulse and reaction turbines; axial thrust.

4.2 Steam nozzles- flow of steam in convergent and divergent nozzle; pressure at throat for maximum discharge with different initial steam conditions such as wet, saturated and superheated, effect of variation of back pressure; supersaturated flow of steam in nozzles, Wilson line. 4.3 Rankine cycle with internal and external irreversibility; reheat factor; reheating and regeneration, methods of governing;

back pressure and pass out turbines.

4.4 Steam power plants - combined cycle

power generation; heat recovery steam

generators (HRSG) fired and unfired, cogeneration plants. 5. Refrigeration and air-conditioning: **5.1** Vapour compression refrigeration cycle - cycle on p-H & T-s diagrams; ecofriendly refrigerants - R134a,123; Systems like evaporators, condensers, compressor, expansion devices. Simple vapour absorption systems.

es; charts; sensible heating and cooling; humidification and dehumidification effective temperature; air-conditioning load calculation; simple duct design. MEDICAL SCIENCE PAPER - I

5.2 Psychrometry - properties; process-

1. Human Anatomy:

Applied anatomy including blood and

nerve supply of upper and lower limbs

and inguinal region.

and joints of shoulder, hip and knee. Gross anatomy, blood supply and lymphatic drainage of tongue, thyroid, mammary gland, stomach, liver, prostate, gonads and uterus. Applied anatomy of diaphragm, perineum

Clinical anatomy of kidney, urinary bladder, uterine tubes, vas deferens. Embryology: Placenta and placental

barrier. Development of heart, gut, kidney, uterus, ovary, testis and their common congenital abnormalities. Central and peripheral autonomic

nervous system: Gross and clinical anatomy of ventricles of brain, circulation of cerebrospinal fluid; Neural pathways and lesions of cutaneous sensations, hearing and vision; Cranial nerves, distriand clinical significance; Components of autonomic nervous sys-

2. Human Physiology:

sleep and consciousness.

gland.

of blood cells.

3. Biochemistry:

Protein synthesis.

phism (RFLP).

4. Pathology:

osteomyelitis.

5. Microbiology:

Vitamins and minerals.

functions;

Conduction and transmission of impulse, mechanism of contraction, neuromuscular transmission, reflexes, control of equilibrium, posture and muscle tone, descending pathways, functions of cerebellum, basal ganglia, Physiology of

Endocrine system: Mechanism of action

Menstrual cycle, lactation, pregnancy.

Blood: Development, regulation and fate

Cardio-vascular, cardiac output, blood

pressure, regulation of cardiovascular

Organ function tests-liver, kidney, thyroid

Restriction fragment length polymor-

Inflammation and repair, disturbances of

growth and cancer, Pathogenesis and

histopathology of rheumatic and ischemic

heart disease and diabetes mellitus.

Differentiation between benign, malig-

nant, primary and metastatic malignan-

cies, Pathogenesis and histopathology of

bronchogenic carcinoma, carcinoma

breast, oral cancer, cancer cervix,

leukemia, Etiology, pathogenesis and

histopathology of - cirrhosis liver,

glomerulonephritis, tuberculosis, acute

Diseases caused by and laboratory diag-

Polymerase chain reaction (PCR).

Radio - immunoassays (RIA).

schizophrenia and ECT.

2. Pediatrics:

Immunization, Baby friendly hospital, congenital cyanotic heart disease, respiratory distress syndrome, broncho pneumonias, kernicterus. IMNCI classification and management, PEM grading and management. ARI and Diarrhea of

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under five and their management. 3. Dermatology:

of hormones, formation, secretion, transport, metabolism, function and regulation Psoriasis, Allergic dermatitis, scabies, of secretion of pancreas and pituitary eczema, vitiligo, Stevan Johnson's syndrome, Lichen Planus. Physiology of reproductive system: 4. General Surgery: Clinical features, causes, diagnosis and

> principles of management of cleft palate, Laryngeal tumor, oral and esophageal tumors.

Peripheral arterial diseases, varicose veins, coarctation of aorta Tumors of Thyroid, Adrenal Glands Abscess, cancer, fibroadenoma and adenosis of breast.

Bleeding peptic ulcer, tuberculosis of bowel, ulcerative colitis, cancer stomach. Renal mass, cancer Prostate.. Haemothorax, stones of Gall bladder,

Kidney, Ureter and Urinary Bladder. Management of surgical conditions of Rectum, Anus and Anal canal, Gall bladder and Bile ducts Splenomegaly,

cholecystitis, portal hypertension, liver abscess, peritonitis, carcinoma head of pancreas. Fractures of spine, Colles' fracture and bone tumors. Endoscopy Laprascopic Surgery.

5. Obstetrics and Gynaecology includ-

Labour management, complications of

3rd stage, Antepartum and postpartum

hemorrhage, resuscitation of the new-

born, Management of abnormal lie and

difficult labour, Management of small for

Diagnosis and management of anemia.

Preeclampsia and Toxaemias of pregnan-

cy, Management of Post menopausal

Intra-uterine devices, pills, tubectomy

and vasectomy. Medical termination of

Leucorrhoea, pelvic pain, infertility, dys-

functional uterine bleeding (DUB), amen-

orrhoea, Fibroid and prolapse of uterus.

6. Community Medicine (Preventive

Principles, methods, approach and

Nutrition, nutritional diseases / disorders

Health information Collection, Analysis

Objectives, components and critical

analysis of National programmes for con-

Critical appraisal of Health care delivery

Health management and administration:

Tools,

Objective, Component, Goals and Status

of Reproductive and Child Health,

National Rural Health Mission and

Management of hospital and industrial

PHILOSOPHY

PAPER - I

Kala-azar,

HIV/AIDS, STDs and Dengue

Implementation and Evaluation.

Millennium Development Goals

Filaria

pregnancy including legal aspects.

ing Family Planning:

Diagnosis of pregnancy.

date or premature newborn.

Syndrome.

Cancer cervix.

and Social Medicine):

& Nutrition Programmes.

and Presentation.

trol/eradication of:

Malaria,

system.

waste.

Tuberculosis,

Techniques,

measurements of Epidemiology

Meningococcus, Salmonella Shigella, Herpes, Dengue, Polio

Humoral and cell mediated immunity

HIV/AIDS, Malaria, E. Histolytica, Giardia Candida, Cryptococcus, Aspergillus

6. Pharmacology: Mechanism of action and side effects of the following drugs **Antipyretics** and analgesics,

Antibiotics, Antimalaria; Antikalaazar, Antidiabetics Antihypertensive, Antidiuretics, General and cardiac vasodilators,

Antiviral, Antiparasitic, Antifungal, **Immunosuppressants** Anticancer 7. Forensic Medicine and Toxicology:

Forensic examination of injuries and

wounds; Examination of blood and seminal stains; poisoning, sedative overdose,

hanging, drowning, burns, DNA and finger print study. PAPER - II 1. General Medicine:

Etiology, clinical features, diagnosis and

principles of management (including pre-

vention) of: - Tetanus, Rabies, AIDS, Dengue, Kala-azar, Japanese Encephalitis. Etiology, clinical features, diagnosis and principles of management of:

Ischaemic heart disease, pulmonary embolism. Bronchial asthma. Pleural effusion, tuberculosis,

Malabsorption syndromes, acid peptic diseases, Viral hepatitis and cirrhosis of Glomerulonerphritis and pyelonephritis,

renal failure, nephrotic syndrome, renovascular hypertension, complications of diabetes mellitus, coagulation disorders, leukemia, Hypo and hyper thyrodism, meningitis and encephalitis. Imaging in medical problems, ultrasound,

Anxiety and Depressive Psychosis and

echocardiogram, CT scan, MRI.

1. Plato and Aristotle: Ideas; Substance;

Form and Matter; Causation; Actuality

History and Problems of Philosophy:

and Potentiality.

2. Rationalism (Descartes, Spinoza, Leibniz): Cartesian Method and Certain

Knowledge; Substance; God; Mind-Body Dualism; Determinism and Freedom.

3. Empiricism (Locke, Berkeley, Hume):

Theory of Knowledge; Substance and

Qualities; Self and God; Scepticism. 4. Kant: Possibility of Synthetic a priori Judgments; Space and Time; Categories;

Ideas of Reason; Antinomies; Critique of Proofs for the Existence of God 5. Hegel: Dialectical Method; Absolute Idealism

Defence of Commonsense; Refutation of Idealism; Logical Atomism; Logical Constructions; Incomplete Symbols; Picture Theory of Meaning; Saying and 7. Logical Positivism: Verification Theory

6. Moore, Russell and Early Wittgenstein:

of Meaning; Rejection of Metaphysics; Theory Linguistic of Necessary Propositions. 8. Later Wittgenstein: Meaning and Use; Language-games; Critique of Private

Language.

Liberation

Samadhi; Kaivalya.

9. Phenomenology (Husserl): Method; Theory of Essences; Avoidance of Psychologism. 10. Existentialism (Kierkegaard, Sartre,

Heidegger): Existence and Essence; Choice, Responsibility and Authentic Existence; Being-in-the -world and Temporality. 11. Quine and Strawson: Critique of Empiricism; Theory of Basic Particulars

and Persons. 12. Cârvâka: Theory of Knowledge; Rejection of Transcendent Entities. 13. Jainism: Theory of Reality; Saptabhaòginaya; Bondage

Liberation. 14. Schools of Buddhism: Ksanikavada,

Pratîtyasamutpâda; Nairâtmyavâda 15. Nyâya- Vaiúesika: Theory of Categories; Theory of Appearance;

Theory of Pramâna; Self, Liberation; God; Proofs for the Existence of God; Theory of Causation; Atomistic Theory of Creation. 16. Sâmkhya: Prakrti; Purusa; Causation;

17. Yoga: Citta; Cittavrtti; Klesas;

18. Mimâmsâ: Theory of Knowledge 19. Schools of Vedânta: Brahman; Îúvara; Âtman; Jiva; Jagat; Mâyâ; Avidyâ; Aprthaksiddhi; Adhyâsa; Moksa: Pancavidhabheda

20. Aurobindo: Evolution, Involution; Integral Yoga. PAPER - II Socio-Political Philosophy 1. Social and Political Ideals: Equality,

Justice, Liberty. 2. Sovereignty: Austin, Bodin, Laski, Kautilva.

and Accountability

4. Forms of Government: Monarchy; Theocracy and Democracy. Political Ideologies: Anarchism; Marxism and Socialism

3. Individual and State: Rights; Duties

Humanism; Secularism; Multiculturalism. 7. Crime and Punishment: Corruption,

Mass Violence, Genocide, Capital Punishment. 8. Development and Social Progress.

9. Gender Discrimination: Female Foeticide, Land and Property Rights; Empowernment. 10. Caste Discrimination: Gandhi and

Philosophy of Religion: 1. Notions of God: Attributes: Relation to Man and the World. (Indian and

Ambedkar

Liberation.

2. Proofs for the Existence of God and their Critique (Indian and Western). 3. Problem of Evil.

4. Soul: Immortality; Rebirth 5. Reason, Revelation and Faith.

6. Religious Experience: Nature and Object (Indian and Western). 7. Religion without God.

> 8. Religion and Morality. 9. Religious Pluralism and the Problem of Absolute Truth.

> 10. Nature of Religious Language: Analogical and Symbolic; Cognitivist and Non- cognitive.

1. (a) Mechanics of Particles:

PAPER - I

PHYSICS

Laws of motion; conservation of energy

and momentum, applications to rotating frames, centripetal and Coriolis accelerations; Motion under a central force; Conservation of angular momentum, Kepler's laws; Fields and potentials; Gravitational field and potential due to spherical bodies, Gauss and Poisson equations, gravitational self-energy; Twoproblem; Reduced mass: Rutherford scattering; Centre of mass

(b) Mechanics of Rigid Bodies: System of particles; Centre of mass, angular momentum, equations of motion; Conservation theorems for energy, momentum and angular momentum; Elastic and inelastic collisions; Rigid body; Degrees of freedom, Euler's theorem, angular velocity, angular momentum, moments of inertia, theorems of parallel and perpendicular axes, equation of motion for rotation; Molecular rotations

and laboratory reference frames.

(c) Mechanics of Continuous Media: Elasticity, Hooke's law and elastic constants of isotropic solids and their interrelation; Streamline (Laminar) flow, vis-

(as rigid bodies); Di and tri-atomic mole-

cules; Precessional motion; top, gyro-

cosity, Poiseuille's equation, Bernoulli's equation, Stokes' law and applications. (d) Special Relativity: Michelson-Morley experiment and its implications; Lorentz transformationslength contraction, time dilation, addition

of relativistic velocities, aberration and

Doppler effect, mass-energy relation,

simple applications to a decay process;

Four dimensional momentum vector;

Covariance of equations of physics.

2. Waves and Optics: (a) Waves: Simple harmonic motion, damped oscilla-

scope.

Beats; Stationary waves in a string; Pulses and wave packets; Phase and group velocities; Reflection Refraction from Huygens' principle. (b) Geometrical Optics: Laws of reflection and refraction from

Fermat's principle; Matrix method in

paraxial optics-thin lens formula, nodal

planes, system of two thin lenses, chro-

interference and Fabry-Perot interferom-

Fraunhofer diffraction-single slit, double

tion, forced oscillation and resonance;

(c) Interference: Interference of light-Young's experiment, Newton's rings, interference by thin films, Michelson interferometer; Multiple beam

matic and spherical aberrations.

slit, diffraction grating, resolving power;

(d) Diffraction:

eter.

Diffraction by a circular aperture and the Airy pattern; Fresnel diffraction: half-period zones and zone plates, circular aper-(e) Polarization and Modern Optics: Production and detection of linearly and circularly polarized light; Double refraction, quarter wave plate; Optical activity; Principles of fibre optics, attenuation; Pulse dispersion in step index and para-

bolic index fibres; Material dispersion,

single mode fibres; Lasers-Einstein A and

B coefficients; Ruby and He-Ne lasers;

Characteristics of laser light-spatial and

temporal coherence; Focusing of laser

beams; Three-level scheme for laser

Stern-Gerlach experiment, electron spin, fine structure of hydrogen atom; L-S coupling, J-J coupling; Spectroscopic notation of atomic states; Zeeman effect; Frank-Condon principle and applications; Elementary theory of rotational, vibratonal and electronic spectra of diatomic molecules; Raman effect and molecular structure; Laser Raman spectroscopy;

2. Atomic and Molecular Physics:

operation; Holography and simple applications 3. Electricity and Magnetism:

(a) Electrostatics and Magnetostatics:

Laplace and Poisson equations in electrostatics and their applications; Energy

of a system of charges, multipole expan-

sion of scalar potential; Method of images and its applications; Potential and field due to a dipole, force and torque on a

dipole in an external field: Dielectrics. polarization; Solutions to boundary-value problems-conducting and dielectric spheres in a uniform electric field; Magnetic shell, uniformly magnetized sphere; Ferromagnetic materials, hys-

Kirchhoff's laws and their applications; Biot-Savart law, Ampere's law, Faraday's

teresis, energy loss.

(b) Current Electricity:

components; Series and parallel resonances; Quality factor; Principle of trans-(c) Electromagnetic Waves and

tances; Mean and r m s values in AC cir-

cuits: DC and AC circuits with R. L and C

Blackbody Radiation: Displacement current and Maxwell's equations; Wave equations in vacuum, Poynting theorem; Vector and scalar

potentials; Electromagnetic field tensor, covariance of Maxwell's equations; Wave equations in isotropic dielectrics, reflection and refraction at the boundary of two dielectrics; Fresnel's relations; Total internal reflection; Normal and anomalous dispersion; Rayleigh scattering; Blackbody

Stefan-Boltzmann law, Wien's displacement law and Rayleigh-Jeans' law. 4. Thermal and Statistical Physics: (a) Thermodynamics: Laws of thermodynamics, reversible and

processes,

Isothermal, adiabatic, isobaric, isochoric

of molecular velocities, transport phe-

nomena, equipartition and virial theo-

rems; Dulong-Petit, Einstein, and

Debye's theories of specific heat of

solids; Maxwell relations and applica-

tions; Clausius- Clapeyron equation;

Adiabatic demagnetisation, Joule-Kelvin

effect and liquefaction of gases.

(b) Statistical Physics:

entropy;

processes and entropy changes; Otto and Diesel engines, Gibbs' phase rule and chemical potential; van der Waals equation of state of a real gas, critical constants; Maxwell-Boltzman distribution

irreversible

Macro and micro states, statistical distributions, Maxwell-Boltzmann, Bose-Einstein and Fermi-Dirac distributions, applications to specific heat of gases and blackbody radiation; Concept of negative temperatures.

PAPER - II

Wave-particle dualitiy; Schroedinger

equation and expectation values; Uncertainty principle; Solutions of the one-dimensional Schroedinger equation

1. Quantum Mechanics:

for a free particle (Gaussian wave-packet), particle in a box, particle in a finite well, linear harmonic oscillator; Reflection and transmission by a step potential and by a rectangular barrier; Particle in a three dimensional box, density of states, free electron theory of metals: Angular momentum; Hydrogen atom; Spin half particles, properties of Pauli spin matriBasic nuclear properties-size, binding energy, angular momentum, parity, magnetic moment; Semi-empirical mass for-

3. Nuclear and Particle Physics:

Importance of neutral hydrogen atom,

molecular hydrogen and molecular

hydrogen ion in astronomy; Fluorescence

and Phosphorescence; Elementary theo-

ry and applications of NMR and EPR;

Elementary ideas about Lamb shift and

its significance.

mula and applications, mass parabolas; Ground state of deuteron, magnetic moment and non-central forces; Meson theory of nuclear forces; Salient features

of nuclear forces; Shell model of the nucleus - successes and limitations; Violation of parity in beta decay; Gamma decay and internal conversion; Elementary ideas about Mossbauer law, Lenz' law; Self-and mutual-inducspectroscopy; Q-value of nuclear reac-

tions; Nuclear fission and fusion, energy

Classification of elementary particles and

their interactions; Conservation laws;

production in stars: Nuclear reactors.

Quark structure of hadrons; Field quanta of electroweak and strong interactions; Elementary ideas about unification of forces; Physics of neutrinos. 4. Solid State Physics, Devices and

Electronics: Crystalline and amorphous structure of matter; Different crystal systems, space groups; Methods of determination of crys-

tal structure; X-ray diffraction, scanning and transmission electron microscopies; Band theory of solids - conductors, insulators and semiconductors; Thermal radiation and Planck's radiation law, properties of solids, specific heat, Debye theory; Magnetism: dia, para and ferromagnetism; Elements of superconductivity, Meissner effect, Josephson junctions and applications; Elementary ideas about high temperature superconductivity.

> POLITICAL SCIENCE AND INTERNATIONAL RELA-TIONS PAPER - I

Political Theory and Indian Politics:

Intrinsic and extrinsic semiconductors; p-

n-p and n-p-n transistors; Amplifiers and

oscillators; Op-amps; FET, JFET and

MOSFET; Digital electronics-Boolean

identities, De Morgan's laws, logic gates

and truth tables; Simple logic circuits;

Thermistors, solar cells; Fundamentals of

microprocessors and digital computers.

1. Political Theory: meaning and approaches

2. Theories of the State: Liberal, Neo-liberal, Marxist, Pluralist, Post-colonial and Justice: Conceptions of justice with

special reference to Rawl's theory of justice and its communitarian critiques. 4. Equality: Social, political and econom-

ic; relationship between equality and freedom; Affirmative action.

5. Rights: Meaning and theories; different kinds of rights; concept of Human Rights.

6. Democracy: Classical and contempo-

rary theories; different models of democracy - representative, participatory and deliberative.

7. Concept of power, hegemony, ideology and legitimacy.

8. Political Ideologies: Liberalism, Socialism, Marxism, Fascism, Gandhism and Feminism. 9. Indian Political Thought: Dharam-

shastra, Arthashastra and Buddhist traditions; Sir Syed Ahmed Khan, Sri Aurobindo, M.K. Gandhi, B.R. Ambedkar, M.N. Rov. 10. Western Political Thought: Plato,

Aristotle, Machiavelli, Hobbes, Locke, John S. Mill, Marx, Gramsci, Hannah Arendt. **Indian Government and Politics:**

1. Indian Nationalism: (a) Political Strategies of India's Freedom

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achievements;

Struggle: Constitutionalism to mass Satyagraha, Non-cooperation, Civil Disobedience; Militant and revolutionary movements, Peasant and workers' movements.

(b) Perspectives on Indian National Movement: Liberal, Socialist and Marxist;

Radical humanist and Dalit. 2. Making of the Indian Constitution: Legacies of the British rule; different social and political perspectives. 3. Salient Features of the Indian

Constitution: The Preamble, Fundamental Rights and Duties, Directive Principles; Parliamentary System and Amendment Procedures; Judicial Review and Basic Structure doctrine. 4. (a) Principal Organs of the Union

Government: Envisaged role and actual working of the Executive, Legislature and Supreme Court (b) Principal Organs of the State

Government: Envisaged role and actual working of the Executive, Legislature and High Courts. 5. Grassroots Democracy: Panchayati Raj and Municipal Government; signifi-

cance of 73rd and 74th Amendments; Grassroot movements. 6. Statutory Institutions/Commissions:

Election Commission, Comptroller and Auditor General, Finance Commission,

Union Public Service Commission, National Commission for Scheduled Castes. National Commission for Scheduled Tribes, National Commission

Commission, National Commission for Minorities, National Backward Classes Commission. 7. Federalism: Constitutional provisions; changing nature of centre-state relations;

for Women; National Human Rights

integrationist tendencies and regional aspirations; inter-state disputes. 8. Planning and Economic Development:

Nehruvian and Gandhian perspectives; role of planning and public sector; Green Revolution, land reforms and agrarian relations; liberalilzation and economic

reforms.

Relations

Politics. 10. Party System: National and regional political parties, ideological and social

bases of parties; patterns of coalition pol-

itics; Pressure groups, trends in electoral

behaviour; changing socio- economic

9. Caste, Religion and Ethnicity in Indian

profile of Legislators. 11. Social Movements: Civil liberties and human rights movements; women's movements; environmentalist movements.

PAPER - II

Comparative Politics and International

Comparative Political Analysis and

International Politics: 1. Comparative Politics: Nature and major approaches; political economy and

political sociology perspectives; limitations of the comparative method. 2. State in comparative perspective: Characteristics and changing nature of the State in capitalist and socialist

economies, and, advanced industrial and developing societies. Politics of Representation and Participation: Political parties, pressure groups and social movements in advanced industrial and developing soci-

4. Globalisation: Responses from developed and developing societies. 5. Approaches to the Study of

International Relations: Idealist, Realist, Marxist, Functionalist and Systems theory.

6. Key concepts in International Relations: National interest, Security and power; Balance of power and deterrence; Transnational actors and collective security; World capitalist economy and global-

7. Changing International Political Order: (a) Rise of super powers; strategic and ideological Bipolarity, arms race and Cold War; nuclear threat;

(b) Non-aligned movement: Aims and

(c) Collapse of the Soviet Union; Unipolarity and American hegemony; relevance of non-alignment in the contemporary world. 8. Evolution of the International Economic

System: From Brettonwoods to WTO; Socialist economies and the CMEA (Council for Mutual **Economic** Assistance); Third World demand for international economic order; new

actual record; specialized UN agencies-

aims and functioning; need for UN

gender justice, terrorism, nuclear prolifer-

Globalisation of the world economy. 9. United Nations: Envisaged role and

reforms. 10. Regionalisation of World Politics: EU, ASEAN, APEC, SAARC, NAFTA. 11. Contemporary Global Concerns: Democracy, human rights, environment,

India and the World: 1. Indian Foreign Policy: Determinants of

ation.

foreign policy; institutions of policy-making; continuity and change. 2. India's Contribution to the Non-Alignment Movement: Different phases; current role.

3. India and South Asia: (a) Regional Co-operation: SAARC past performance and future prospects. (b) South Asia as a Free Trade Area. (c) India's "Look East" policy.

(d) Impediments to regional co-operation: river water disputes; illegal cross-border migration; ethnic conflicts and insurgencies; border disputes. 4. India and the Global South: Relations

with Africa and Latin America: leadership

role in the demand for NIEO and WTO

5. India and the Global Centres of Power: USA, EU, Japan, China and Russia. 6. India and the UN System: Role in UN Peace-keeping; demand for Permanent

negotiations.

1. Introduction:

Seat in the Security Council. 7. India and the Nuclear Question: Changing perceptions and policy.

8. Recent developments in Indian

Foreign policy: India's position on the

recent crisis in Afghanistan, Iraq and West Asia, growing relations with US and Israel; vision of a new world order. **PSYCHOLOGY** PAPER - I

Foundations of Psychology

Definition of Psychology; Historical antecedents of Psychology and trends in the 21st century; Psychology and scientif-

ic methods; Psychology in relation to other social sciences and natural sciences; Application of Psychology to societal problems. 2. Methods of Psychology: Types of research: Descriptive, evaluative, diagnostic and prognostic; Methods of Research: Survey, observation, casestudy and experiments; Characteristics of

experimental design and non-experimental design, Quasi-experimental designs; Focussed group discussions, brain storming, grounded theory approach. 3. Research Methods: Major steps in Psychological research (problem statement, hypothesis formula-

tion, research designs, sampling, tools of data collection, analysis and interpretation and report writing) Fundamental versus applied research; Methods of data collection (interview, observation, questionnaire); Research designs (ex-post facto and experimental); Application of statistical technique (t - test, two way

ANOVA correlation, regression and factor

analysis); Item response theory.

4. Development of Human Behaviour: Growth and development; Principles of development, Role of genetic and environmental factors in determining human behaviour; Influence of cultural factors in socialization; Life span development -Characteristics, development tasks, promoting psychological well-being across

major stages of the life span. Attention Sensation, and Perception:

Sensation: concepts of threshold, absolute and difference thresholds, signal-detection and vigilance; Factors influencing attention including set and characteristics of stimulus; Definition and concept of perception, biological factors in perception; Perceptual organization-influence of past experiences, perceptual defence-factors influencing space and depth perception, size estimation

readiness;

The

ception; Culture and perception, Subliminal perception. 6. Learning: Concept and theories of learning (Behavi-

plasticity of perception; Extrasensory per-

extinction, discrimination and generaliza-

ourists, Gestaltalist and Information processing models); The Processes of

and

tion; Programmed learning, probability learning, self-instructional learning, concepts; Types and the schedules of reinforcement, escape, avoidance and punishment, modeling and social learning. 7. Memory: Encoding and remembering; Short term

perceptual

memory, Iconic memory, Echoic memory: The Multistore model, levels of processing; Organization and Mnemonic techniques to improve memory; Theories of forgetting: decay, interference and

memory, Long term memory, Sensory

Anterograde and retrograde. 8. Thinking and Problem Solving: Piaget's theory of cognitive development; formation

Information processing, Reasoning and

decision making and judgment; Recent

vation and emotion on behaviour;

retrieval failure: Metamemory; Amnesia:

problem solving, Facilitating and hindering factors in problem solving, Methods of problem solving: Creative thinking and fostering creativity; Factors influencing

Psychological and physiological basis of motivation and emotion; Measurement of motivation and emotion; Effects of moti-

9. Motivation and Emotion:

Extrinsic and intrinsic motivation; Factors influencing intrinsic motivation; Emotional competence and the related issues. 10. Intelligence and Aptitude: Concept of intelligence and aptitude, Nature and theories of intelligence -

urement of intelligence and aptitudes, concept of IQ, deviation IQ, constancy of IQ; Measurement of multiple intelligence; Fluid intelligence and crystallized intelli-

Intelligence, Social intelligence, meas-

Definition and concept of personality; Theories of personality (psychoanalytical,

gence.

11. Personality:

socio-cultural, interpersonal, developmental, humanistic, behaviouristic, trait and type approaches); Measurement of personality (projective tests, pencil-paper test); The Indian approach to personality; Training for personality development; Latest approaches like big 5 factor theory; The notion of self in different tradi-

tions. 12. Attitudes, Values and Interests:

Definition of attitudes, values and interests; Components of attitudes; Formation and maintenance of attitudes;

Measurement of attitudes, values and

Employment News 16- 22 March 2013 interests; Theories of attitude change;

Formation of stereotypes and prejudices;

Changing others behaviour; Theories of

fostering

values:

13. Language and Communication: Human language - Properties, structure and linguistic hierarchy, Language acqui-

for

attribution; Recent trends.

Strategies

sition-predisposition, critical period hypothesis; Theories of language development - Skinner and Chomsky;

Process and types of communication effective communication training. 14. Issues and Perspectives in Modern

Contemporary Psychology:

cal laboratory and psychological testing; Artificial intelligence; Psychocybernetics; Study of consciousness-sleep-wake

Computer application in the psychologi-

schedules; dreams, stimulus deprivation,

meditation, hypnotic/drug induced states;

Extrasensory perception; Intersensory perception Simulation studies. PAPER - II Psychology: Issues and Applications 1. Psychological Measurement of Individual Differences:

Characteristics and construction of standardized psychological tests; Types of psychological tests; Use, misuse and limitation of psychological tests; hical issues in the use of psychological tests.

The nature of individual differences:

2. Psychological well being and Mental Disorders: Concept of health-ill health; Positive

health, well being; Causal factors in mental disorders (Anxiety disorders, mood disorders, schizophrenia and delusional disorders; personality disorders, substance abuse disorders); Factors influencing positive health, well being, life style and quality of life; Happiness disposition. 3. Therapeutic Approaches:

Psychodynamic therapies; Behaviour

pies (Yoga, Meditation); Bio-feedback therapy; Prevention and rehabilitation of

therapies; Client centered therapy; Cognitive therapies; Indigenous thera-

the mentally ill; Fostering mental health. Work Psychology Organisational Behaviour: Personnel selection and training; Use of

psychological tests in the industry; Training and human resource development; Theories of work motivation -Herzberg, Maslow, Adam Equity theory, Porter and Lawler, Vroom; Leadership

participatory

Advertising and marketing; Stress and its

management; Ergonomics; consumer

psychology; Managerial effectiveness;

Transformational leadership; Sensitivity

training; Power and politics in organiza-

management;

5. Application of Psychology to Spearman, Thurstone, Gullford Vernon, Educational Field: Sternberg and J.P; Das; Emotional Psychological principles underlying effec-

tive teaching-learning process; Learning styles; Gifted, retarded, learning disabled

and their training; Training for improving memory and better academic achieve-Personality development and value education, Educational, vocational guidance and career counseling; Use of psychological tests in educational institutions; Effective strategies in guidance

programmes.

6. Community Psychology: Definition and concept of community psychology; Use of small groups in social

action; Arousing community consciousness and action for handling social prob-

lems; Group decision making and lead-

ership for social change; Effective strategies for social change.

7. Rehabilitation Psychology: Primary, secondary and tertiary preven-

tion programmes-role of psychologists; Organising of services for rehabilitation of physically, mentally and socially chal-

Classical

theory;

post-Weberian

lenged persons including old persons, discipline and its present status; New Rehabilitation of persons suffering from substance abuse, juvenile delinquency, Privatisation, criminal behaviour; Rehabilitation of vic-Globalisation; tims of violence, Rehabilitation of HIV/AIDS victims, the role of social agen-New Public Management. 2. Administrative Thought:

critique

Simon's

porary:

Argyris, D. McGregor).

Traditional and Modern.

4. Organisations:

3. Administrative Behaviour:

8. Application of Psychology to disadvantaged groups:

The concepts of disadvantaged, deprivation; Social, physical, cultural and economic consequences of disadvantaged and deprived groups; Educating and motivating the disadvantaged towards development; Relative and prolonged deprivation.

9. Psychological problems of social integration: The concept of social integration; The

problem of caste, class, religion and language conflicts and prejudice; Nature and manifestation of prejudice between the in-group and out-group; Causal factors of social conflicts and prejudices: Psychological strategies for handling the conflicts and prejudices; Measures to achieve social integration.

10. Application of Psychology in Information Technology and Mass Media: The present scenario of information tech-

nology and the mass media boom and the role of psychologists; Selection and training of psychology professionals to work in the field of IT and mass media; Distance learning through IT and mass media; Entrepreneurship through e-commerce; Multilevel marketing; Impact of

TV and fostering value through IT and

mass media; Psychological conse-

quences of recent developments in

11. Psychology and Economic development: Achievement motivation and economic

Information Technology.

development; Characteristics of entrepreneurial behaviour; Motivating and training people for entrepreneurship and economic development: Consumer rights and consumer awareness, Government policies for promotion of entrepreneurship among youth including women entrepreneurs. 12. Application of psychology to envi-

ronment and related fields: Environmental psychology-effects of

noise, pollution and crowding; Population psychology: psychological consequences of population explosion and high population density; Motivating for small family norm; Impact of rapid scientific and technological growth on degradation of environment. 13. Application of psychology in other

fields: (a) Military Psychology Devising psychological tests for defence

personnel for use in selection, Training,

counseling; training psychologists to work with defence personnel in promoting positive health; Human engineering in defence. (b) Sports Psychology Psychological interventions in improving performance of athletes and sports.

- Persons participating in Individual and Team Games. (c) Media influences on pro and antisocial behaviour.
- (d) Psychology of terrorism. 14. Psychology of Gender:
- Issues of discrimination, Management of

diversity; Glass ceiling effect, Self fulfilling prophesy, Women and Indian society. **PUBLIC ADMINISTRATION**

PAPER - I

Administrative Theory

1. Introduction:

Meaning, scope and significance of Public Administration; Wilson's vision of Public Administration: Evolution of the Public Administration; Public Choice approach; Challenges of liberalization, Good Governance: concept and application;

Scientific Management and Scientific

Theory: Weber's bureaucratic model – its

Developments; Dynamic Administration

(Mary Parker Follett); Human Relations

School (Elton Mayo and others);

Functions of the Executive (C.I. Barnard);

decision-making

Participative Management (R. Likert, C.

Process and techniques of decision-mak-

ing; Communication; Morale; Motivation

Theories - content, process and contem-

Theories - systems, contingency;

Structure and forms: Ministries and

Departments, Corporations, Companies,

Boards and Commissions; Ad hoc and

advisory bodies; Headquarters and Field

relationships; Regulatory Authorities;

Concepts of accountability and control;

Legislative, Executive and Judicial con-

trol over administration; Citizen and

Administration: Role of media, interest

groups, voluntary organizations; Civil

society; Citizen's Charters; Right to

Meaning, scope and significance; Dicey

on Administrative law; Delegated legisla-

7. Comparative Public Administration:

Historical and sociological factors affect-

Administration and politics in different

countries; Current status of Comparative

Public Administration; Ecology and

administration; Riggsian models and their

Concept of development; Changing pro-

file of development administration; 'Anti-

development thesis'; Bureaucracy and

development; Strong state versus the

market debate; Impact of liberalisation on

administration in developing countries;

Women and development - the self-help

ment; Recruitment, training, career

advancement, position classification, dis-

cipline, performance appraisal, promo-

tion, pay and service conditions; employ-

er-employee relations, grievance redres-

sal mechanism; Code of conduct;

Models of policy-making and their cri-

tique; Processes of conceptualisation,

planning, implementation, monitoring,

evaluation and review and their limita-

tions; State theories and public policy for-

11. Techniques of Administrative

Organisation and methods, Work study

and work management; e-governance

Management aid tools like network

Monetary and fiscal policies; Public bor-

rowings and public debt Budgets - types

and forms; Budgetary process; Financial

PAPER - II

1. Evolution of Indian Administration:

accountability; Accounts and audit.

information

analysis, MIS, PERT, CPM.

Indian Administration

12. Financial Administration:

administrative

Public - Private Partnerships.

Information; Social audit.

6. Administrative Law:

ing

critique.

group movement.

Administrative ethics.

10. Public Policy:

mulation.

Improvement:

tion; Administrative Tribunals.

8. Development Dynamics:

9. Personnel Administration:

5. Accountability and control:

Theories of Leadership:

Management movement;

and

Kautilya's Arthashastra; Mughal administration; Legacy of British rule in politics and administration - Indianization of public services, revenue administration, district administration, local self-govern-

2. Philosophical and Constitutional framework of government: Salient features and value premises;

Constitutionalism; Political culture; Bureaucracv and democracy; Bureaucracy and development. 3. Public Sector Undertakings: Public sector in modern India; Forms of Public Sector Undertakings; Problems of

Impact of liberalization and privatization. Union Government **Administration:** Executive, Parliament, Judiciary - struc-

autonomy, accountability and control;

ture, functions, work processes; Recent trends: Intragovernmental relations; Cabinet Secretariat; Prime Minister's Office; Central Secretariat; Ministries and Departments; Boards; Commissions; Attached offices; Field organizations.

5. Plans and Priorities: Machinery of planning; Role, composition

functions of the **Planning** Commission and the National Development Council; 'Indicative' planning; Process of plan formulation at Union and State levels; Constitutional Amendments (1992) and decentralized planning for economic development and social justice. **State** Government and

Administration: Union-State administrative, legislative and financial relations; Role of the

Finance Commission; Governor; Chief Minister; Council of Ministers; Chief Secretary; State Secretariat; Directorates 7. District Administration

Independence: Changing role of the Collector; Unionstate-local relations; Imperatives of

development management and law and order administration; District administration and democratic decentralization. 8. Civil Services: Constitutional position; Structure, recruitment, training and capacity-building;

Good governance initiatives; Code of conduct and discipline; Staff associations; Political rights; Grievance redressal mechanism; Civil service neutrality; Civil service activism.

Budget as a political instrument;

Parliamentary control of public expendi-

Importance of human resource develop-

technology;

systems:

ture; Role of finance ministry in monetary and fiscal area; Accounting techniques; Audit; Role of Controller General of Accounts and Comptroller and Auditor General of India. 10. Administrative Reforms since Independence: Major concerns; Important Committees

9. Financial Management:

11. Rural Development: Institutions and agencies since independ-

ence; Rural development programmes: foci and strategies; Decentralization and Panchayati Raj; 73rd Constitutional amendment. 12. Urban Local Government: Municipal governance: main features,

and Commissions; Reforms in financial

management and human resource devel-

opment: Problems of implementation.

structures, finance and problem areas; 74th Constitutional Amendment; Globallocal debate: New localism: Development dynamics, politics and administration with legacy; National

Commission; Investigative agencies;

SOCIOLOGY

tion; Disaster management.

PAPER - I

FUNDAMENTALS OF SOCIOLOGY

and terrorism; Criminali-sation of politics

and administration; Police-public rela-

14. Significant issues in Indian

Values in public service; Regulatory

Commissions; National Human Rights

Commission; Problems of administration

in coalition regimes; Citizen-administra-

tion interface; Corruption and administra-

tions; Reforms in Police.

Administration:

- 1. Sociology The Discipline:
- (a) Modernity and social changes in Europe and emergence of sociology.
- (b) Scope of the subject and comparison with other social sciences.
- Sociology and common sense.
- 2. Sociology as Science:
- Science, scientific method and critique. Major theoretical strands of research (b)
- methodology. Positivism and its critique.
- Fact value and objectivity. Non- positivist methodologies.
- 3. Research Methods and Analysis:
- Qualitative and quantitative meth-
- (b) Techniques of data collection.
- Variables, sampling, hypothesis,
- reliability and validity.
- 4. Sociological Thinkers:

Karl Marx- Historical materialism. mode of production, alienation, class

struggle. Emile Durkheim- Division of labour, social fact, suicide, religion and soci-

- ety. Max Weber- Social action, ideal (c) types, authority, bureaucracy,
- protestant ethic and the spirit of capitalism. Talcolt Parsons-Social system, (d)
- pattern variables. Robert K. Merton- Latent and mani-(e)
 - fest functions, conformity and deviance, reference groups. Mead - Self and identity.
- 5. Stratification and Mobility: Concepts- equality, inequality, hier-
- archy, exclusion, poverty and deprivation. Theories of social stratification-
- Structural functionalist theory, Marxist theory, Weberian theory. Dimensions - Social stratification of class, status groups, gender, ethnic-
- ity and race. Social mobility- open and closed systems, types of mobility, sources
- and causes of mobility. 6. Works and Economic Life:

Social organization of work in different types of society- slave society,

- feudal society, industrial /capitalist society. Formal and informal organization of (b)
- work. Labour and society. 7. Politics and Society:
- (a) Sociological theories of power.

(b) Power elite, bureaucracy, pressure

- groups, and political parties.
- Nation, state, citizenship, democracy, civil society, ideology.
- Protest, agitation, social movements, collective action, revolution.
- 8. Religion and Society: Sociological theories of religion.
 - Types of religious practices: ani-
- mism, monism, pluralism, sects, cults. Religion in modern society: religion (c)
- and science, secularization, religious revivalism, fundamentalism. 9. Systems of Kinship:
 - Family, household, marriage.
- (a) (b) Types and forms of family.
- special reference to city management. 13. Law and Order Administration: British
- Role of central and state agencies including paramilitary forces in maintenance of

law and order and countering insurgency

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- Patriarchy and sexual division of social and political elite. Regionalism and decentralization of (c)
 - power.

(b) Political parties, pressure groups,

- Secularization (d)
- (v) Social Movements in Modern India: Peasants and farmers movements. (a)
- (b) Women's movement.
- (c) Backward classes & Dalit movement.

Environmental movements.

Ethnicity and Identity movements. Population Dynamics:

(d)

(M N

- Population size, growth, composition and distribution.
- Components of population growth: birth, death, migration. Population policy and family plan-
- Emerging issues: ageing, sex ratios,

child and infant mortality, reproduc-

- tive health. Challenges of Social Transformation: (vii) Crisis of development: displace-
- ment, environmental problems and sustain-ability. Poverty, deprivation and inequali-
- Violence against women. (c) Caste conflicts.
- Ethnic conflicts, communalism, religious revivalism.
- Illiteracy and disparities in education. **STATISTICS**

PAPER - I 1. Probability:

ties.

crete and continuous-type random variable, probability mass function, probability density function, vector-valued random variable, marginal and conditional distributions, stochastic independence of events and of random variables, expectation and moments of a random variable, conditional expectation, convergence of a sequence of random variable in distribution, in probability, in p-th mean and

and Khintchine's weak law of large num-

bers, strong law of large numbers and

Kolmogoroff's theorems, probability gen-

erating function, moment generating

function, characteristic function, inversion

Estimation by methods of moments, max-

imum likelihood, least squares, minimum

chi-square and modified minimum chi-

square, properties of maximum likelihood

and other estimators, asymptotic efficien-

function, risk function, and minimax esti-

Non-randomised and randomised tests,

critical function, MP tests, Neyman-

Pearson lemma, UMP tests, monotone

likelihood ratio, similar and unbiased

tests, UMPU tests for single parameter

likelihood ratio test and its asymptotic dis-

tribution. Confidence bounds and its rela-

Kolmogoroff's test for goodness of fit and

mator. Bayes estimators.

2. Statistical Inference:

Systems of Kinship in India: (v) Lineage and descent in India. (a) Types of kinship systems.

Household dimensions of the family. (d) Patriarchy, entitlements and sexual (e)

Family and marriage in India.

Lineage and descent.

Contemporary trends.

10. Social Change in Modern Society:

Development and dependency.

Education and social change.

PAPER - II

INDIAN SOCIETY: STRUC-

TURE AND CHANGE

Perspectives on the study of Indian

A. Introducing Indian Society:

Indology (GS. Ghurye).

Structural functionalism

Marxist sociology (A R Desai).

Impact of colonial rule on Indian

Social background of Indian nation-

Protests and movements during the

Rural and Agrarian Social Structure:

The idea of Indian village and village

Agrarian social structure - evolution

of land tenure system, land reforms.

Perspectives on the study of caste

systems: GS Ghurye, M N Srinivas,

Untouchability - forms and per-

Issues of integration and autonomy.

Louis Dumont, Andre Beteille.

Features of caste system.

Tribal communities in India:

Colonial policies and tribes.

Definitional problems.

Geographical spread.

Social Classes in India:

Agrarian class structure.

Industrial class structure.

Middle classes in India.

Modernization of Indian tradition.

Agents of social change.

Sociological theories of social

Science, technology and social

labour.

change.

society:

Srinivas).

society:

colonial period.

Social reforms.

Caste System:

spectives.

(a)

(b)

(c)

(d)

(a)

(b)

(c)

B. Social Structure:

studies.

alism.

(e)

division of labour. **Religion and Society:**

Religious communities in India.

(b) Problems of religious minorities. C. Social Changes in India:

Visions of Social Change in India: Idea of development planning and (a) mixed economy.

Education and social change Rural and Agrarian transformation in

Constitution, law and social change.

Programmes of rural development,

Community Development Programme, cooperatives, poverty allevia-

tion schemes. Green revolution and social change. Changing modes of production in

Indian agriculture . Problems of rural labour, bondage, migration. Industrialization and Urbanisation in

Evolution of modern industry in

India Growth of urban settlements in

Working class: structure, growth, class mobilization.

areas.

Politics and Society:

Informal sector, child labour. Slums and deprivation in urban

its consistency, sign test and its optimality. Wilcoxon signed-ranks test and its consistency, Kolmogorov-Smirnov twosample test, run test, Wilcoxon-Mann-Nation, democracy and citizenship.

tion with tests.

Wald's SPRT and its properties, OC and ASN functions for tests regarding parameters for Bernoulli, Poisson, normal and exponential distributions. Wald's fundamental identity. 3. Linear Inference and Multivariate

Whitney test and median test, their con-

sistency and asymptotic normality.

Analysis: Linear statistical models', theory of least squares and analysis of variance, Gauss-Markoff theory, normal equations, least squares estimates and their precision,

test of significance and interval estimates based on least squares theory in oneway, two-way and three-way classified data, regression analysis, linear regression, curvilinear regression and orthogonal polynomials, multiple regression, multiple and partial correlations, estimation of

multivariate

ties, discriminant analysis, canonical correlations, principal component analysis. 4. Sampling Theory and Design of **Experiments:** An outline of fixed-population and super-

normal

Mahalanobis-D2 and Hotelling's T2 sta-

distribution.

tures of finite population sampling, probability sampling designs, simple random sampling with and without replacement, stratified random sampling, systematic sampling and its efficacy, cluster sampling, two-stage and multi-stage sampling, ratio and regression methods of

mator, non-sampling errors.

(two-way classification with equal obser-

vation per cell), CRD, RBD, LSD and

their analyses, incomplete block designs,

concepts of orthogonality and balance,

BIBD, missing plot technique, factorial

experiments and 2n and 32, confounding

in factorial experiments, split-plot and

simple lattice designs, transformation of

PAPER - II

data Duncan's multiple range test.

1. Industrial Statistics:

Sample space and events, probability

measure and probability space, random variable as a measurable function, distribution function of a random variable, dis-

almost everywhere, their criteria and inter-relations, Chebyshev's inequality

theorem, Linderberg and Levy forms of ory of control charts, different types of central limit theorem, standard discrete and continuous probability distributions.

sum chart. Single, double, multiple and Consistency, unbiasedness, efficiency, sequential sampling plans for attributes, sufficiency, completeness, ancillary sta-OC, ASN, AOQ and ATI curves, concepts tistics, factorization theorem, exponential of producer's and consumer's risks, AQL, family of distribution and its properties, LTPD and AOQL, Sampling plans for variuniformly minimum variance unbiased ables, Use of Dodge-Roming tables. (UMVU) estimation, Rao-Blackwell and Concept of reliability, failure rate and reli-Lehmann-Scheffe theorems, Cramerability functions, reliability of series and Rao inequality for single parameter. parallel systems and other simple config-

> Problems in life testing, censored and truncated experiments for exponential models. 2. Optimization Techniques: Different types of models in Operations Research, their construction and general

> urations, renewal density and renewal

function, Failure models: exponential,

(graphical and algebraic).

Weibull, normal, lognormal.

methods of solution, simulation and Monte-Carlo methods formulation of linear programming (LP) problem, simple LP model and its graphical solution, the simplex procedure, the two-phase method and the M-technique with artificial variables, the duality theory of LP and its economic interpretation, sensitivity analysis, transportation and assignment prob-

lems, rectangular games, two-person

zero-sum games, methods of solution

items, group and individual replacement policies, concept of scientific inventory management and analytical structure of inventory problems, simple models with deterministic and stochastic demand with and without lead time, storage models with particular reference to dam type. Homogeneous discrete-time Markov chains, transition probability matrix, classification of states and ergodic theorems,

Replacement of failing or deteriorating

homogeneous continuous-time Markov chains, Poisson process, elements of queuing theory, M/M/1, M/M/K, G/M/1 and M/G/1 queues. Solution of statistical problems on computers using well-known statistical software packages like SPSS. 3. Quantitative Economics and Official Statistics:

variance and covariance components, Determination of trend, seasonal and cvclical components. Box-Jenkins method, tests for stationary series, tistics and their applications and proper-ARIMA models and determination of orders of autoregressive and moving

average components, forecasting. used index numbers-Commonly Laspeyre's, Paasche's and Fisher's ideal index numbers, chain-base index numpopulation approaches, distinctive feaber, uses and limitations of index numbers, index number of wholesale prices, consumer prices, agricultural production and industrial production, test for index numbers - proportionality, time-reversal,

factor-reversal and circular. General linear model, ordinary least square and generalized least squares estimation involving one or more auxiliary methods of estimation, problem of multivariables, two-phase sampling, probabilicollinearity, consequences and solutions of multicollinearity, autocorrelation and its ty proportional to size sampling with and without replacement, the Hansen-Hurwitz consequences, heteroscedasticity of disand the Horvitz-Thompson estimators. turbances and its testing, test for indenon-negative variance estimation with pendence of disturbances, concept of reference to the Horvitz-Thompson estistructure and model for simultaneous equations, problem of identification-rank Fixed effects model (two-way classificaand order conditions of identifiability, twotion) random and mixed effects models stage least square method of estimation.

Present official statistical system in India

relating to population, agriculture, indus-

trial production, trade and prices, meth-

ods of collection of official statistics, their

reliability and limitations, principal publi-

cations containing such statistics, various

official agencies responsible for data col-

Demographic data from census, registration, NSS other surveys, their limitations Process and product control, general theand uses, definition, construction and uses of vital rates and ratios, measures of

lection and their main functions.

4. Demography and Psychometry:

control charts for variables and attributes, fertility, reproduction rates, morbidity rate, X, R, s, p, np and c charts, cumulative standardized death rate, complete and abridged life tables, construction of life tables from vital statistics and census returns, uses of life tables, logistic and other population growth curves, fitting a

> cause of death, health surveys and use of hospital statistics. Methods of standardisation of scales and tests, Z-scores, standard scores, Tscores, percentile scores, intelligence quotient and its measurement and uses, validity and reliability of test scores and its determination, use of factor analysis and path analysis in psychometry.

> logistic curve, population projection, sta-

ble population, quasi-stable population,

techniques in estimation of demographic

parameters, standard classification by

PAPER - I 1. Non-chordata and Chordata:

ZOOLOGY

(a) Classification and relationship of

various phyla up to subclasses:

Acoelomate and Coelomate, Protostomes and Deuterostomes, Bilateria and Radiata; Status of Protista, Parazoa, Onychophora and

Hemichordata; Symmetry. Protozoa: Locomotion, nutrition, (b) reproduction, sex; General features

- and life history of Paramaecium, Plasmodium Monocystis, Leishmania. 2. Ecology: Porifera: Skeleton, canal system (c)
- Cnidaria: Polymorphism, defensive structures and their mechanism; coral reefs and their formation; metagenesis; general features and

and reproduction.

- life history of Obelia and Aurelia. Platyhelminthes: Parasitic adapta-(e) tion; general features and life history of Fasciola and Taenia and their
- Nemathelminthes: General features, life history, parasitic adaptation of Ascaris and Wuchereria. Annelida: Coelom and metamerism:

modes of life in polychaetes; gener-

mouth parts in insects (cockroach,

mosquito, housefly, honey bee and

butterfly); metamorphosis in insect

pathogenic symptoms.

- al features and life history of Nereis, earthworm and leach. Arthropoda: Larval forms and parasitism in Crustacea; vision and respiration in arthropods (Prawn, cockroach and scorpion); modification of
- and its hormonal regulation, social behaviour of Apis and termites. Mollusca: Feeding, respiration, locomotion, general features and life history of Lamellidens, Pila and Sepia, torsion and detorsion in gas-
- tropods. Echinodermata: Feeding, respira-
- tion, locomotion, larval forms, general features and life history of Asterias. Protochordata: Origin of chordates;

general features and life history of

Pisces: Respiration, locomotion and migration. Amphibia: Origin of tetrapods,

Branchiostoma and Herdmania.

- parental care, paedomorphosis. Reptilia: Origin of reptiles, skull types, status of Sphenodon and
- crocodiles Aves: Origin of birds, flight adaptation, migration.

Mammalia: Origin of mammals,

dentition, general features of egg

- laying mammals, pouched-mammals, aquatic mammals and primates, endocrine glands (pituitary, thyroid, parathyroid, adrenal, pan-
- creas, gonads) and their interrelationships. Comparative functional anatomy of (q) various systems of vertebrates (integument and its derivatives, endoskeleton, locomotory organs,

digestive system, respiratory sys-

tem, circulatory system including

heart and aortic arches, urino-geni-

tal system, brain and sense organs (eye and ear).

- (a) Biosphere: Concept of biosphere; biomes, Biogeochemical cycles, Human induced changes in atmosphere including green house effect, ecological succession, biomes and
- ecotones, community ecology. Concept of ecosystem; structure and function of ecosystem, types of ecosystem, ecological succession, ecological adaptation. Population; characteristics, popula-
- tion dynamics, population stabilization. Biodiversity and diversity conserva
 - tion of natural resources. Wildlife of India. (e) Remote sensing for sustainable
- development. Environmental biodegradation, pollution and its impact on biosphere
- and its prevention. 3. Ethology: Behaviour: Sensory filtering, repon-

sive-ness, sign stimuli, learning and

- memory, instinct, habituation, conditioning, imprinting. Role of hormones in drive; role of pheromones in alarm spreading; crypsis, predator detection, predator
 - tactics, social hierarchies in prisocial organization in mates, insects. Orientation, navigation, homing, biological rhythms, biological clock, seasonal and circadian
- Methods of studying animal behaviour including sexual conflict, selfishness, kinship and altruism. 4. Economic Zoology:

Apiculture, sericulture, lac culture, carp culture, pearl culture, prawn

rhythms.

- culture, vermiculture. (b) Major infectious and communicable diseases (malaria, filaria, tuberculo-
- pathogens and prevention. Cattle and livestock diseases, their pathogen (helminthes) and vectors (ticks, mites, Tabanus, Stomoxys).

sis, cholera and AIDS) their vectors,

Pests of sugar cane (Pyrilla per-

- pusiella) oil seed (Achaea janata) and rice (Sitophilus oryzae). Transgenic animals.
- Medical biotechnology, human genetic disease and genetic coun-
- selling, gene therapy. Forensic biotechnology. 5. Biostatistics: Designing of experiments; null
 - hypothesis; correlation, regression,

distribution and measure of central tendency, chi square, student-test,

F-test (one-way & two-way F-test). 6. Instrumentation Methods:

- (a) Spectrophotometer, phase contrast and fluorescence microscopy, radioactive tracer, ultra centrifuge,
- gel electrophoresis, PCR, ELISA, FISH and chromosome painting.

PAPER - II

Electron microscopy (TEM, SEM).

1. Cell Biology:

cycle regulation.

- Structure and function of cell and its organelles (nucleus, plasma membrane, mitochondria, Golgi bodies, endoplasmic reticulum, ribosomes, and lysosomes), cell division (mitosis and meiosis), mitotic spindle and mitotic apparatus, chromosome movements, chromosome type poly-
- Nucleic acid topology, DNA motif, (b) DNA replication, transcription, RNA processing, translation, protein foldings and transport. 2. Genetics:

tene and lambrush, organization of

chromatin, heterochromatin, Cell

Modern concept of gene, split gene,

man.

(f)

- genetic regulation, genetic code. Sex chromosomes and their evolution, sex determination in Drosophila
- and man. Mendel's laws of inheritance, recombination, linkage, multiple alleles, genetics of blood groups, pedigree analysis, hereditary diseases in
- (d) Mutations and mutagenesis. Recombinant DNA technology; plas-
- mid, cosmid, artificial chromosomes as vectors, transgenic, DNA cloning and whole animal cloning (principles and methods)
- prokaryotes and eukaryotes. Signal molecules, cell death, defects (g) in signaling pathway and conseauences.

Gene regulation and expression in

RFLP, RAPD and AFLP and application of RFLP in DNA finger printing, ribozyme technologies, human genome project, genomics and pro-

3. Evolution: Theories of origin of life. (a) Theories of evolution;

(c)

tomics.

tion, evolutionary patterns, molecular drive, mimicry, variation, isolation and speciation. Evolution of horse, elephant and

selection, role of mutations in evolu-

- man using fossil data. Hardy-Weinberg Law. Continental drift and distribution of
- animals. 4. Systematics:
- Zoological nomenclature, interna-

Appendix-II

taxonomy and biodiversity. 5. Biochemistry:

Structure and role of carbohydrates, (a) fats, fatty acids and cholesterol, pro-

tional code, cladistics, molecular

and reduction, oxidative phosphory-

lation, energy conservation and

release, ATP cycle, cyclic AMP - its

- teins and amino-acids, nucleic acids. Bioenergetics. Glycolysis and Kreb cycle, oxidation
- structure and role. Hormone classification (steroid and peptide hormones), biosynthesis
 - and functions. Enzymes: types and mechanisms
 - of action.
 - Vitamins and co-enzymes Immunoglobulin and immunity.
- Physiology (with special reference to mammals): Composition and constituents of
- blood; blood groups and Rh factor in man, factors and mechanism of coagulation, iron metabolism, acid-
- base balance, thermo-regulation, anticoagulants. Haemoglobin: Composition, types (b) and role in transport of oxygen and carbon dioxide.

Digestion and absorption: Role of

salivary glands, liver, pancreas and intestinal glands. Excretion: nephron and regulation of

(c)

- urine formation; osmo-regulation and excretory product Muscles: Types, mechanism of con-
- of exercise on muscles. Neuron: nerve impulse - its conduction and synaptic transmission, neurotransmitters.

traction of skeletal muscles, effects

- Vision, hearing and olfaction in man. Physiology of reproduction, puberty
- and menopause in human. 7. Developmental Biology:

vivo capacitation of mammalian

Gametogenesis; spermatogenesis, composition of semen, in vitro and in

- sperm, Oogenesis, totipotency; fertilization, morphogenesis and morphogen, blastogenesis, establishment of body axes formation, fate map, gestulation in frog and chick; genes in development in chick, homeotic genes, development of eye and heart, placenta in mammals. Cell lineage, cell-to cell interaction, (b)
- Genetic and induced teratogenesis, role of thyroxine in control of metamorphosis in amphibia, paedogenesis and neoteny, cell death, aging. Developmental genes in man, in (c)
 - fer, cloning. Stem cells: Sources, types and their use in human welfare.

vitro fertilization and embryo trans-

(e) Biogenetic law.

Instructions to the Candidates for filling online applications

applications then he/she must ensure that the applications with higher

The Online applications(Part I and II) can be filled from 5th March, 2013 to 4th April, 2013 till 11.59 p.m., after which link will be disabled.

Detailed instructions for filling up Online applications are available on the above mentioned website.

Candidates will be required to complete the Online Application Form

Salient features of the system of Online Application Form are given hereunder:

Candidates are required to apply Online using the website www.upscon-

- containing two stages viz. Part-I and Part-II as per the instructions available in the above mentioned site through drop down menus. The candidates are required to pay a fee of Rs.100/-
- Hundred only) [excepting SC/ST/ Female/Physically Handicapped candidates who are exempted from payment of fee] either by depositing the money in any branch of SBI by cash, or by net banking facility of State Bank of India/State Bank Bikaner & Jaipur/State Bank of Hyderabad/State Bank of Mysore/ State Bank of Patiala/State Bank of Travancore or by using any Visa/Master
- Credit/ Debit Card. Before start filling up of Online Application, a candidate must have his/her photograph and signature duly scanned in the jpg format in such a manner that each file should not exceed 40 KB and must not be less than 3 KB in size for the photograph and 1 KB for the signature.

Applicants should avoid submitting multiple applications. However, if due to any unavoidable circumstances, any applicant submits multiple

Natural

- RID is complete in all respects. In case of multiple applications, the applications with higher RID shall be entertained by the Commission and fee paid against one RID shall
- not be adjusted against any other RID. The applicants must ensure that while filling their Application Form,
- they are providing their valid and active E-Mail IDs as the Commission may use electronic mode of communication while contacting them at different stages of examination process.
- The applicants are advised to check their emails at regular intervals and ensure that the email address ending with @ nic.in are directed to their inbox folder and not to the SPAM folder or any other folder. Candidates are strongly advised to apply online well in time
- without waiting for the last date for submission of Online Applications.

www.employmentnews.gov.in Employment News 16- 22 March APPENDIX-III Special Instructions to Candidates for objective type tests **Articles permitted inside Examination Hall** completely blackening with black ball pen to indicate your Clip board or hard board (on which nothing is written), a good quality response. black ball pen for making responses on the Answer Sheet. Answer Sheet For example, if the correct answer to item 1 is (b), then the circle and sheet for rough work will be supplied by the Invigilator. containing the letter (b) is to be completely blackened with black ball pen Articles not permitted inside Examination Hall as shown below :-Do not bring into the Examination Hall any article other than those spec-Example : (a) ● (c) (d) ified above, e.g., books, notes, loose sheets, electronic or any other type **Entries in Scannable Attendance List** Candidates are required to fill in the relevant particulars with black ball of calculators, mathematical and drawing instruments, Log Tables, stencils of maps, slide rules, Test Booklets and rough sheets pertaining to pen only against their columns in the Scannable Attendance List, as given below:earlier session(s), etc. Blacken the circle [P] under the column [Present/Absent] Mobiles phones, pagers or any other communication devices are Blacken the relevant circle for Test Booklet Series not allowed inside the premises where the examination is being iii) Write Test Booklet Serial No. conducted. Any infringement of these instructions shall entail disci-(iv) Write the Answer Sheet Serial No. and also blacken the corresponding circles plinary action including ban from future examinations. Candidates are advised in their own interest not to bring any of the v) Append signature in the relevant column banned items including mobile phones/pagers to the venue of the Please read and abide by the instructions on the cover of Test Booklet. If examination, as arrangements for safekeeping cannot be assured.

Hall

Centre

Centre Delhi subject

iardkøe 1/41/2

Booklet Series (A)

Do it thus similarly:

Candidates are advised not to bring any valuable/costly items to the Examination Halls, as safe keeping of the same cannot be assured. Commission will not be responsible for any loss in this regard. **Penalty for wrong Answers** THERE WILL BE PENALTY (NEGATIVE MARKING) FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.

If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above for that question. If a question is left blank i.e. no answer is given by the candidate, there will be **no penalty** for that question.

There are four alternatives for the answer to every question. For each

question for which a wrong answer has been given by the candidate, one

third (0.33) of the marks assigned to that question will be deducted as

Unfair means strictly prohibited No candidate shall copy from the papers of any other candidate nor permit his papers to be copied nor give nor attempt to give nor obtain nor

attempt to obtain irregular assistance of any description.

Conduct in Examination Hall

Commission for the conduct of the examination. Any such misconduct will be severely penalised. **Answer Sheet particulars** (i) Write in black ball pen your Centre and subject followed by test booklet series (in bracket), subject code and roll number at the appropriate

No candidate should misbehave in any manner or create disorderly scene in the Examination Hall or harass the staff employed by the

space provided on the answer sheet at the top. Also encode your booklet series (A, B, C or D, as the case may be), subject code and roll number in the circles provided for the purpose in the answer sheet. The guidelines for writing the above particulars and for encoding the above particulars are given in Annexure. In case the booklet series is not

printed on the test booklet or answer sheet is un-numbered, please report

immediately to the Invigilator and get the test booklet/answer sheet

(ii) All corrections and changes in writing the roll number must be initialed by the candidates as well as by the Invigilator and countersigned by the (iii) Immediately after commencement of the examination please check that the test booklet supplied to you does not have any unprinted or torn or missing pages or items etc. If so, get it replaced by a complete test

booklet of the same series and subject. Do not write your name or anything other than the specific items of information asked for, on the answer sheet/test booklet/sheet for rough work. Do not fold or mutilate or damage or put any extraneous marking in the Answer Sheet. Do not write anything on the reverse of the answer sheet. Since the answer sheets will be evaluated on computerised machines,

candidates should exercise due care in handling and filling up the answer

sheets. They should use black ball pen only to darken the circles. For writing in boxes also, they should use black ball pen. Since the entries made by the candidates by darkening the circles will be

taken into account while evaluating the answer sheets on computerised machines, they should make these entries very carefully and accurately. Method of marking answers In the "OBJECTIVE TYPE" of examination, you do not write the answers. For each question (hereinafter referred to as "Item") several suggested

answers (hereinafter referred to as "Responses") are given. You have to choose one response to each item. The question paper will be in the Form of TEST BOOKLET. The booklet will contain item bearing numbers 1, 2, 3 etc. Under each item, Responses marked (a), (b), (c), (d) will be given. Your task will be to choose the correct response. If you think there is more than one correct response, then choose what you consider the best response.

In any case, for each item you are to select only one response. If you

select more than one response, your response will be considered wrong.

In the Answer Sheet, Serial Nos. from 1 to 160 are printed. Against each

numbers, there are circles marked (a), (b), (c) and (d). After you have

any candidate indulges in disorderly or improper conduct, he will render himself liable for disciplinary action and/or imposition of a penality as the Commission may deem fit. **ANNEXURE**

How to fill in the Answer Sheet of objective type tests in the Examination

Subject

Please follow these instructions very carefully. You may note that since the answer sheets are to be evaluated on machine, any violation of these instructions may result in reduction of your score for which you would yourself be responsible.

Before you mark your responses on the Answer Sheet, you will have to fill in

various particulars in it. As soon as the candidate receives the Answer Sheet, he should check that it is numbered at the bottom. If it is found un-numbered he should at once get it replaced by a numbered one.

S.Code

You will see from the Answer Sheet that you will have to fill in the top line, which reads thus: daz fo'k; vu**@**ekd

If you are, say, appearing for the examination in Delhi Centre for the General

S.Code Roll Number

Roll Number

ries

Mathematics (A) You should write with black ball pen the name of the centre and subject in

English or Hindi. The test Booklet Series is incidated by Alphabets A, B, C or D at the top right hand corner of the Booklet. Write your Roll Numbers exactly as it is in your e-Admission Certificate with

black ball pen in the boxes provided for this purpose. Do not omit any zero(s)

which may be there. The next step is to find out the appropriate subject code from the Time Table. Now encode the Test Booklet Series, Subject Code and the Roll Number in the circles provided for this purpose. Do the encoding with black ball pen. The

Test Booklet and confirming the Booklet Series from the same. For Mathematics * subject paper of `A' Test Booklet Series you have to encode the subject code, which is 01. Do it thus:

Writing and encoding of Test Booklet Series is to be done after receiving the

 \bullet 0 3 4 6 6 8 9 ⑱ ⓒ

Subject

All that is required is to blacken completely the circle marked 'A' below the Booklet Series and below the subject code blacken completely the Circles for "0" (in the first vertical column) and "1" 1 (in the second vertical column). You 2

name of the Centre need not be encoded.

have carefully encoded your subject, Test Booklet series and Roll Number.

Important: Please ensure that you

should then encode the Roll No. 081276.

*This is just illustrative and may not

vu**q**leld

Roll Numbers

①		①	①	①
2	2		2	2
3	3	3	3	3
4)	4)	4)	4)	4

7

7

8

(5) ⑤

⑤ (5)

6 7

7 8 8

davp 55104/14/0067/1213

read each item in the Test Booklet and decided which one of the given responses is correct or the best, you have to mark your response by

be relevant to your Examination.

9 9

EN 50/101

8 9 9 9

Signature of Applicant

Government of India

North Eastern Council Secretariat

Ministry of Development of North Eastern Region

Nongrim Hills:: Shillong - 793 003 - 12

No. NEC/ADM/19/95 Vol.I

It is proposed to fill up 8 (eight) posts of Stenographer Gr.II by transfer on deputation basis in the Pay Band of PB-2 Rs. 9,300-34,800/- + Grade Pay of Rs. 4,600/-. Period of deputation will be one year initially which may be extended upto 3 (three) years. The application must be forwarded alongwith complete bio-data in the prescribed proforma (Annexure-A) so as to reach the undersigned within 60 days from the date of publication of this Advt. in the **Employment News**

1. Eligibility criteria: Officers under the Central Government or State Government or Union Territories or Statutory organizations holding analogous post on regular basis in the parent cadre or Department or with 8 (eight) years regular service in the Pay Band PB-1 Rs. 5,200-20,200/- + Grade Pay of Rs. 2,400/- or equivalent. (Period of deputation including period of deputation in anoth-

er ex-cadre post held immediately preceding this appoint-

ment in the same or some other organization/Department of

the Central Government, shall ordinarily not exceed three

years. The maximum age limit for appointment by deputation

shall be not exceeding 56 years as on the closing of receipt

of application). 2. Certification to be given by the Office/Department while forwarding the application: (a) that the particulars given by the applicant are true and have been verified from the office records;

(b) that the applicant, if selected, will be relieved immediate-(c) that up to date CR dossier for the last five years are enclosed;

(d) that no vigilance case is pending or contemplated against him/her and there is nothing against the candidate which makes him/her ineligible for consideration for appointment to the post applied for; and (e) that no major/minor penalty is in force or currency against the official.

3. The pay and allowances of the selected persons will be regulated in accordance with the relevant rules and Government of India's decisions in force from time to time.

(David Lalmalsawma)

Director (Admn.) (ANNEXURE - A) **PROFORMA**

1. Name in full (in block letters)

- 2. Date of birth:
- 3. Educational qualifications
- 4. Name of the post applied for 5. (a) Present post held with date of appointment on regu
 - lar basis. : (b) Full address of Employer in Parent Department. :
 - (c) Present basic pay with scale of pay (including total emoluments):
- 6. Experience (a) Establishment & Administration:
 - (b) Accounts matter
 - (c) Other experience Whether SC/ST/OBC/General
- 8. Present place of posting

9. Hometown address:

10. Contact Details . Address:

(O)

Ph#

Signature and Seal of the Sponsoring Authority/Head of Deptt./ Appointing Authority

N.B.- Proofs/attested copies of documents in support of SI. Nos. 2, 3 and 7 must be provided along with the filled in proforma.

VIGILANCE CLEARANCE CERTIFICATE

Certified that no vigilance case is pending or contemplated against Shri/Smti Signature:

> Competent authority MAJOR/MINOR PENALTIES REPORT

Certified that there is no major or minor penalties imposed on Shri/ Smti during last 10 years.

> Signature: Designation of: Competent Authority.

Designation of:

INTEGRITY CERTIFICATE Service particulars of Shri/Smti

have been carefully scrutinized and it is certified that there is no doubt of his/her integrity.

> Signature: Designation of: competent authority

Continued from page 01

Defence ...

held by the armed forces is in a dismal state and the state defence industries are in no position to correct the situation. The only way to equip the defence forces is to privatise the state defence units, bring in the private sector as tier-1 supplier. limit DRDO to developing critical technologies only, encourage collaboration and joint ventures between Indian and western defence industries with minimum 49 per cent FDI. In case of sunrise defence technologies, permit 100 per cent FDI. This will, in the next decade, create a large and modern defence industrial complex in India that will not only equip the Indian armed forces but also earn revenues for the state through exports. Also, there will be a

base. It is unfortunate and demoralising for a soldier to not even possess a reliable assault rifle to tackle the insurgent or terrorist equipped with the latest weapons. Therefore, at the initial stage by-passing the long-drawn acquisition process, it is imperative that the basic requirements are met with through quick imports. To save costs, an assault rifle should be selected to meet the requirements of defence services as well as para-military forces. In addition, transfer of technology to a designated private sector unit in India should be done

huge spin off to the civil industrial

simultaneously. On the other hand, there is a dire need to eliminate cumbersome redtape and indecisiveness. The tender in which six in-flight refueling aircraft were selected by the IAE was cancelled due to a clerical mindset of the MoD. The irony is that in the tender re-floated, the same company has now been identified as the preferred bidder. This reflects unimaginative application of mind by the MoD causing huge delay. In view of the prevailing threat, timely provisioning of the required hardware for the IAF ought to have priority over procedural imperatives. Similarly, if companies continue to be blacklisted without cleaning up our own stables, it can only lead to disaster. For example, if five companies in the world make 155mm artillery gun and three

are blacklisted, it will kill competition and deprive the nation of getting the best value for money. The rules of engagement should be fair and consistent with international norms for India to succeed in creating its own modern defence industrial complex. With the rapid march of defence technologies it is not possible today to be entirely self-sufficient in the production of the complete spectrum of weapons. Therefore, India also should become a part of global supply chain of defence equipment by being one of the important hubs of research and development of a variety of main and sub-assemblies. Without pausing for the mental lethargy of New Delhi, warfare technology has rapidly moved to pilotless or remote controlled vehicles and weapon systems on sea, land and in the air. One can practically look inside the enemy's house sitting in New Delhi and neutralize the emerging threat by firing a missile with the help of a remote controlled pilotless drone. We are nowhere near use of such magnificent technologies in spite of the favorable opportunities that exist in the new geopolitical

by OEMs may be out of date. Indian Armed Forces cannot be prepared adequately to meet the looming threats unless MoD brings in transparency, time bound implementation of projects, privatizes the money guzzling Defence PSUs, encourage private sector to form joint-ventures with the western defence industries by raising the level of FDI to minimum of 49%, and link the defence acquisition process to fulfill the aims of national security instead of clerical procedures.

environment. Technological innova-

tion earlier took a decade to develop.

Warfare technology now can be out

of date within a year. It is a distinct

possibility that with the rapid pace of

technological advances in warfare,

by the time 126 MMRCA deal is final-

ized, much of the technology offered

(The author is Editor, Indian **Defence** Review. Emailbharat.verma@ indiandefencereview.com)

(The views expressed in the above article are that of the author and do not necessarily represent the opinion of Employment News)

State of ... Continued from page 01

There is always an implicit (not explicit) assumption about crude prices and exchange rates. That can be ignored. The overall growth point apart, there is an optimistic 19.1% growth (over RE of 2012-13) of tax revenue (net to Centre). Without a growth recovery, this may not happen. There is an even more optimistic non-tax revenue receipts figure of Rs 172,252 crores in That optimism was misplaced in 2012-13. Will 2013-14 be different? Will one be able to contain Plan and non-Plan expenditure, or is one depending on supplementary grants? For example, will subsidies decline to 2% of GDP in 2013-14, compared to 2.5% in 2012-13? Stated difimpressive expenditure increases in the budget are based on RE, not BE of 2012-13. Expenditure is expected to be contained, like 2012-But revenue is expected to increase, unlike 2012-13. The budget has a borrowing figure of Rs. 542,499 crores. RE borrowing was Rs 520,925 crores in 2012-13, despite expenditure pruning. Does this mean government is sitting on unspent cash that is being rolled over into 2013-14? Therefore, while the budget should be praised for controlling the urge to splurge, there should be legitimate skepticism about

the numbers. The budget tells us that all flagship programmes will be "fully and adequately funded". A flagship conjures up an image of an admiral controlling a fleet. And yes, we have a fleet of CSSs with doubtful efficacy. The budget speech states, "Government is concerned about the proliferation of Centrally Sponsored Schemes (CSS) and Additional Central Assistance (ACA) schemes. They were 173 in number at the end of the 11th Plan. I am glad to announce that the schemes will be restructured into 70 schemes." The B.K. Chaturvedi Committee wanted pruning to 59 and mentioned with 17 flagship restructuring schemes. Had the budget's expenditure provisions concentrated only on these, one would have understood, though even there, all social sectors are State and local body subjects. Here are some examples. Para 71 of the budget speech states, "Micro, small and medium enterprises (MSME) have a large share of jobs, production and exports. Too many of them do not grow because of the fear of losing the benefits associated with staying small or medium. To encourage them to grow, I propose that the

EN 50/43 benefits or preferences enjoyed by

them will stay with them for up to three years after they grow out of the category in which they obtained the bene-

one need a Women's Bank as a public sector bank? Para 90 of the budget speech states, "All towns of India with a population of 10,000 or more will have an office of LIC and an office of at

fit." They don't grow because of bene-

fits and then one goes ahead and

gives them more benefits. Why does

least one public sector general insurance company. I propose to achieve this goal by 31.3.2014." How can this be FM's goal? Surely this is for LIC and general insurance companies to figure out. Should one try to differentiate between FII and FDI? women, youth and poor are important. Safety for women is important. But is a Nirbhaya Fund the answer? In all of these, one does not detect a real attempt to rationalize expenditure. Ditto on the tax side and para 145 is an example. "Transactions in immovable properties are usually undervalued and underreported. One-half of the transactions do not carry the PAN of the parties concerned. With a view to improve the reporting of such transactions and the taxation of capital gains, I propose to apply TDS at the rate of one percent on the value of the transfer of immovable property where the consideration exceeds `50 lakhs." Why is there under-valuation? Other than tax evasion, the reason is high stamp duties and compliance costs. This is now compounded by imposing a TDS that will incentivize underreporting. Or take para 181. "At present, service tax does not apply to air conditioned restaurants that do not serve liquor. The distinction is artificial, and I propose to levy service tax on all air conditioned restaurants." Isn't the distinction between AC and non-AC restaurants also artificial? What if a restaurant has AC and non-AC sections? There are several more instances of tinkering, both on customs and excise. If one wishes to clean up, reduce discretion and standardize, with GST in the offing, all excise and service tax should be standardized at 12%. Instead, there is a lot of tinkering and absence of rationalization again. While the budget for 2013-14 has controlled the obvious urge to increase expenditure, there should be skepti-

cism on deficit numbers, expenditure and the tax proposals. (The author is Professor, Centre for Policy Research, Delhi. Emailbdebroy@gmail.com)

Ability Brings Employment

NHFDC: Empowering the Disabled

N HFDC has a dream for creating self-employment opportunities, facilitatig skill upgradation and promotion of higher studies for persons with disabilities in the

National Handicapped Finance and Development Corporation (NHFDC) under Department of Disability Affairs, Govt of India is providing concessional credit to Persons with Disability (PwDs) for starting self-employment activities and also for pursuing professional/technical education. NHFDC also provides 100% grant for skill training by operating through it's State Channelizing Agencies or through reputed training institutions. A stipend of Rs. 1,000/- per trainee per month is provided during the entire training duration. The interest rates under our Corporation's loan schemes are as low as 3.5% p.a in case of women PwDs and the highest rate being 8% p.a upto Rs 25.00 lac loan. NHFDC is also implementing two scholarship schemes for Technical and Professional education. 1500 Scholarships are provided annually to PwD students pursuing higher education. The Scholarship amount is Rs. 50,000/- on an average depending upon the course fee, hostel fee, study material and one time assistive devices. There are nearly 2.19 crores of Persons with Disabilities in the Country and hence services of NHFDC may be used for making them self employed, upgrading their skills and promoting higher studies in India and abroad.

The vision of NHFDC is to empower the disabled persons in order to break away from the dependence on others, and from the depressed economic and social conditions by engaging themselves in productive ventures and thus help them to move up the social and economic ladder with dignity and pride. The main activities of this Apex Corporation for the benefit of Persons with Disabilities may be summed

NHFDC is extending concessional credit for Persons with Disabilities all over India through its agencies in the States (State Channelising Agencies). The eligibility criteria, the schemes and the other details can be seen in NHFDC's website (www.nhfdc.nic.in) . The current year's target of disbursement of concessional loan for self financing project to Persons with Disabilities in the country is to the tune of Rs. 60 crore to cover about 10,900 PwDs. The activities for which the loan is made available are STD/PCO Booth, mobile repair, sewing machine, beauty parlour, kirana shop, pan shop, general store, purchase of commercial vehicle etc.etc. as per

the choice/convenience of the Persons with Disability. In fact, loan is made available for any activity which can generate income for the beneficiary.

EVERY PWD CAN AVAIL THE BENEFIT OF CONCESSIONAL CREDIT (INTER-**EST RATE 4% TO 8%)**

PwDs should approach our Agency through a representative in the District. Conditions for eligibility are;

(1) Disability percentage should be 40 and above. (2) Age should be between 18 years to 60

For further information visit our website (www.nhfdc.nic.in) to obtain details of the agency in the state in which you reside.

NHFDC extends concessional credit to Persons with Disabilities for self employment ventures upto Rs. 25 lacs at follow-

Rate of Interest Per Annum						
Project Cost	Female	Male				
Upto Rs. 50,000/-	4%	5%				
Above Rs. 50000/- and upto Rs. 5.00 lac	5%	6%				
Above Rs. 5.00 lac	7%	8%				
For Education loan (upto 10 lac for study in India & upto 20 lac for study abroad)	3.5%	4%				

NHFDC is also facilitating the training of PwDs through it's State Channelising Agencies wherein the total cost of the training is borne by the Corporation. In addition, NHFDC is also extending the support of Rs. 1,000/- per trainee per month as stipend during entire training duration. The current year's target include training of 1340 PwDs in the country. At present, the focus is to train PwDs through Vocational Rehabilitation Centres (VRCs) for the PwDs functioning under Ministry of Labour, Government of India. There are 20 VRCs in the country exclusively catering to the training needs of the Persons with Disabilities.

NHFDC has also been implementing two scholarship schemes for pursuing higher/technical/professional courses in the country. Under these schemes, 1500 students are provided scholarships per year. The scholarship amount reimburses course fee. hostel/ maintenance charges. books & stationery expenses and one time assistive devices for the PwD students. The amount per student per year is Rs. 50,000/- on an average.

The details of these scholarships may be on NHFDC website (www.nhfdc.nic.in)

SCHOLARSHIP SCHEMES

Trust Fund

*1000 Scholarships @ Rs.50,000/year are awarded every year to eligible students with disabilities for degree and post graduate level professional and technical courses from recognized institutions in India.

* 30% scholarships are reserved for girls. *Applicant has to apply on line (www.nhfdc.nic.in) at any time in academic year for scholarship under this scheme. *Scholarships will be awarded quarterly basis for the applications received in preceding quarter.

National Fund

*500 Scholarships @ Rs.12,000/year are awarded every year to eligible students with disabilities for pursuing higher academic/professional or technical qualification.

*50% scholarships are reserved for girls. *Applicant has to **apply online** (www.nhfdc.nic.in) for scholarship and scholarship shall be awarded once in a academic year under this scheme.

The NHFDC is also extending education loan for all type of higher education, professional and technical education @ 3.5% p.a. (in case of women students) @ 4% p.a. for male students. It may be seen that these are lowest possible rates when compared to market rates. These rates are further subsidized by the scheme of Ministry of HRD, Govt. of India for students, wherever permissible.

In addition to above, Govt. has proposed a Credit Guarantee Fund with a corpus of Rs. 5000 crores. The fund will cover education loan upto Rs. 7.5 lacs without any

Young Professionals with disabilities. Under this scheme, Doctor, Engineer, Chartered Accountant, Cost Accountant, Company Secretary, Architect, Lawyer or anybody (PwDs) who has done any professional/technical course may apply for loan upto Rs. 25 lacs for setting up his industry/firm/office etc. This loan is also available at concessional rate ranging from 4% to 8%.

Last year NHFDC took initiative for expansion of its activities in the interest of PwDs. It included creating additional channelizing agencies like Regional Rural Banks (RRBs) in the country. So far, we have covered all Regional Rural Banks in Uttar Pradesh. Uttarakhand. Harvana & Gujarat. Efforts are on to cover RRBs in West Bengal, Odisha, Andhra Pradesh, Madhya Pradesh, Maharashtra, Meghalaya & Assam. These Regional Rural Banks have concentration in the rural areas and therefore are most suitable to provide loan for self employment to the Persons with Disabilities in rural India. Further, the concessional credit through RRBs at NHFDC rates are collateral free i.e., the beneficiary is not burdened for providing guarantee or arranging security etc. In the case of RRBs, the guarantee is provided by Credit Guarantee Trust Fund of Govt. of India.

Though we are a small corporation with authorized capital to the tune of Rs. 400 crores, we are fully alive to our responsibilities and with the support of Department of of Disability Affairs, we would be able to assist each PwD students whosoever wishes to stand on his feet. We are committed to make each Person with disability self dependent and our motto is "Empowering the Disabled".

NHFDC - A catalyst for training of Persons with Disabilities

Through:

- All reputed/state level training institutes
- Vocational Rehabilitation Centres run by Ministry of Labour, Govt. of India.
- National Institutes for PwDs like NIVH, NIHH, NIOH, NIRTAR, IPH, NIMH under Ministry of Social Justice & Empowerment, Govt. of India

 All modular employable skills approved by Govt. of India i.e. Carpentry, Machine winding, Apparel designing, Mobile repairing etc. etc. (available on the website of Ministry of Labour, Govt. of India)

And provides for

- All recurring training cost, study material and tool kit.
- Stipend of Rs. 1,000 per month per student for the entire training duration.

collateral security and third party guarantee. Recently NHFDC has also included concessional credit for assistive devices for the students with Disabilities. This will greatly enhance the capability and employability of the Persons with Disabilities in Government as well as in private sector.

The Corporation has also come out with a scheme especially to cater the need of

Any Person with Disability is welcome to approach National Handicapped **Finance and Development Corporation** (NHFDC), Red Cross Bhawan, Sector-12, Faridabad-121007 or contact: at 0129 - 2226910, 2287512, 2287513 0129 - 2222339/2284371, Fax no. E-mail - nhfdc97@gmail.com

(The author is Chairman-cum-Managing Director, NHFDC)

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From Jaldip Vala to Employment News

I am Jaldip Vala, from Gujarat. I have completed MCA from DDU, Nadiad, Gujarat. I love the thing you initiate, the column "Ability Brings Employment' and I read the passage in this section that all organizations starts taking skilled disabled persons as an employee, but the actual scenario is totally different. I have cleared Specialist Officer Exam but at last I am not selected for the reason of "Disability" and this is not first time, I lost my 3 chances of govt. job for the sake of "Disability" issue, I am 75% disabled and I can walk through WALKER.

There is only a label everywhere that they supports personel with disability but actually they never do such kind of noble task. I want to use my knowledge to serve the country but as I have the curse of "Disability" I cant do that. Thanks again for

The above column is a small initiative by EN for highlighting various issues relating to this section of the society. Things have changed for better if not completely but at least are moving in that direction. Everybody's support is required. We are happy to inform that shri Jaldip Vala is currently working as an Assistant Professor in Smt. K.B Parekh College of Computer Science, Mahuva.