



Employment News



WEEKLY

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JOB HIGHLIGHTS

BANK

Union Bank of India requires 49 Forex Officer and Economist
Last Date : 28.02.2015

(pg 22-23)

Indian Overseas Bank requires 100 Senior Manager -Credit
Last Date : 06.03.2015 (pg 24)

UPSC

Union Public Service Commission notifies Indian Economic Service/ Indian Statistical Service Examination, 2015 and Combined Geo-Scientist and Geologist Examination, 2015
Last Date : 20.03.2015 (pg 2-16)

KVS

Kendriya Vidyalaya Sangathan (HQ) requires 95 Deputy Commissioner, Assistant Commissioner and Principal

(pg 26-27)

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

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DEMOCRACY AND SOCIAL INCLUSION

Ash Narain Roy

The twenty-first century has witnessed a new paradigm of governance. Thanks to an array of citizens' movements, a new pyramid of democracy and a new currency of power have come to the fore. Three trends are discernible. First, power is easier to get, hard to hold and easier to lose. Second, there has been a displacement of power upwards (transnational networks, international organizations and big global companies), downwards (local government institutions) and outward (non-profit organizations, NGOs and civil society). Third, there is withering away of institutional politics and the dominance of day-to-day concerns in people's lives. Given the gradual shift from representative to participatory democracy, new actors have appeared on the political scene. As such, traditional repositories of power have become vulnerable to challenges from smaller, nimble entities.

Globally, some of the most hopeful advances are not the result of official policies but of social movements harnessing their own power. The main demand from protestors across the world has been for bigger and better democracy and real democracy. It is paradoxical how in a moment in which the mass media, political classes and institutions are focusing on economic issues, society is asking for a better democracy. Today democracy has become the politics of everyday life. It is concerned with problems closely related to people's lives—primary education, health, livelihood etc. More importantly, politics of everyday life is rooted in civil society. The 21st century has also witnessed a global trend towards democratizing democracy. It is a process and framework in order to include women and marginalized social groups in the democratic dialogue and process. It may be

called politics of difference.

Why we need power to the people? First, the challenge of rapid growth requires new forms of governance and citizenship. It also requires active participation of all citizens. Representative democracy has failed to become a bridge between the state and society.

Second, there is need to deepen democracy in ways so that ordinary people can effectively participate in and influence policies that directly affect their lives.

Third, the reliance on participation and capacities of ordinary people are the goals that can be reached at the local government



level.

Power to the people is possible only at the local level. The real issue is not whether the participatory model is desirable but whether any real participation is feasible within the present institutional framework of concentrated powers. The Indian experience tells us that decentralization of power through the panchayati raj can bring about this politics of difference which in fact could be the politics of presence. The global experience too suggests how local governance institutions are constantly breaking new ground in enhancing the quality of life and the quality

of local services.

The introduction of the panchayat raj following the passage of the 73rd and 74th Constitutional amendments marked a new chapter in giving power to the people. It created a new governance paradigm where empowered local communities would take control of their own destiny. The Panchayati Raj Institutions (PRIs) have been envisioned not only as the third tier of government but also as the first tier of democracy. As Gandhiji had said, "true democracy can't be worked by twenty men sitting at the centre. It has to be worked from below by people of every village." The new avatar of panchayati raj is in line with Gandhiji's idea of 'village swaraj'. It is "a complete republic. The government of the village has all the authority and jurisdiction required. This panchayat will be the legislature, judiciary and executive combined."

The functioning of the PRIs is a mixed bag of some outstanding successes and equally significant reverses. Thanks to the reservation of seats for the historically disadvantaged sections of people, governance is today deeper and extensive. Reservations work to the advantage of the disadvantaged groups. At the same time, placing elected representatives of these groups in positions of power hasn't necessarily made them holders of political power.

As the mid-term appraisal of the Panchayati Raj by the Ministry of Panchayati Raj some years ago says, "Because of the affirmative actions of this Act, Scheduled Castes are occupying leadership positions in local bodies. However, their leadership has yet to achieve significantly the social acceptance, as envisaged in the spirit of the Constitution."

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CAREER IN BIOTECHNOLOGY

Dr Anita Kamra Verma

Arguably the most contentious subject in today's era is "Biotechnology", popularly believed to be a research oriented science. To define simply, it is the manipulation of biological processes to evolve reproducible methods and products to form a technology that can be commercialized. Biotechnology uses living matter especially cells and bacteria in evolving industrial procedures. The responsible use of biotechnology is essential for integration of economic, social and environmental benefits that is the prime requisite for evolution of significant research from classical sciences like traditional plant breeding, fermentation technologies to modern sciences equipped with advanced techniques like recombinant DNA technology, cell and molecular biology, genetic engineering and therapy. These techniques are recurrently used to provide efficient synthesis systems producing low toxicity, biodegradable products, bioenergy sustainable systems and renewable resources.

The versatility of biotechnology is evidenced by its innumerable applications. It can be categorised under three broad disciplines: Medical Biotechnology, Environmental Biotechnology and Industrial Biotechnology

1. Medical biotechnology: Healthcare is our foremost concern and medical biotechnology offers tremendous scope for designing novel drugs, to produce vaccines, pharmaceutical recombinant pro-

teins like insulin, somatostatin, somatotrophin, and diagnostic products that help treat and prevent human diseases. Most medical biotechnologists work in academic or industrial surroundings. While industrial biotechnologists are involved in developing vaccines or drugs, the academic laboratories encourage professionals to conduct experiments as part of medical research



studies; The medical biotechnology field has helped commercialize insect-resistant crops, microbial pesticides, and environmental clean-up systems.

● **Genetic Engineering:** Biotechnology's intervention in the area of animal husbandry has improved animal breeding leading to development of transgenic plants and animals.

● **Clinical trials** play a pivotal role in determining the success of various endeavours in the emerging and expanding field of biotechnology. Designing efficient clinical trials save time, and money, thereby

improving innumerable lives.

2. Environmental Biotechnology encompasses old issues of ecology such as waste gas and water management, composting, hazardous soil pollutants, bio-magnification that are now addressed with biotechnological solutions involving microbes that envisage abiotic and biotic factors. It may be referred in the context of environmental pro-

tection since rapid urbanization and other developments have resulted in a polluted environment and depleted natural resources.

● **Soil Bio-treatment** uses bacteria to degrade soil contaminants by ex situ (i.e., above ground) or in situ (i.e., in place, in ground) treatment based on the principle of soil composting.

● **Waste gas and Water Treatment** by biotechnology illustrates the current applications of microbes in control of waste gas emission. The other aspect that can be addressed by bio filtration an expanding

biotechnological application to maintain air quality by microbial metabolic processes arising from abatement of toxic volatile pollutants to the emission of annoying odours.

3. Industrial/ White Biotechnology uses micro-organisms, or their enzymes to make bio-based products such as food and feed, paper and pulp, textiles, chemicals, detergents, and bioenergy (such as biofuels or biogas).

● **Bio-fertilizers** use microbes to enhance the quality of seeds, insecticides, pesticides and fertilizers that may be applied to grow plants in soil that promote growth by supplying primary nutrients to the host plant.

● **Biofuels** involves micro-organisms for improving energy production through a biological process of carbon fixation that converts inorganic carbon into hydrocarbons. Biomass can be transformed directly into liquid fuels called "biofuels," unlike any other renewable energy sources. The two types of biofuels in use today are biodiesel and ethanol.

● **Microbial biotechnology** comprises the genetic manipulation, exploitation, and alterations of microbes to make commercially valuable products which includes fermentation both upstream and downstream processes.

● **Green Chemistry** commonly referred to as sustainable chemistry relates to the design of chemical products and protocols

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