

Q.1) Which of the following states is planning to develop a solar-wind hybrid project with battery back-up facility funded by the World Bank?

- a) Maharashtra
- b) Andhra Pradesh
- c) Tamil Nadu
- d) Gujarat

Q.1) Solution (b)

Source: <http://www.thehindubusinessline.com/economy/ap-to-set-up-solarwind-hybrid-project-with-battery-backup/article9981878.ece>

Q.2) Recently, a material called 'flink', has been developed by scientists at ETH Zurich in Switzerland. What is it?

- a) A bacteria-containing ink
- b) A compact camera with 16 lenses & over 52 megapixel resolution
- c) A superhydrophobic coating
- d) None of the above

Q.2) Solution (a)

A new printing material called 'flink', short for 'functional living ink', has been developed by scientists at ETH Zurich in Switzerland.

They have developed a bacteria-containing ink that makes it possible to print mini-biochemical factories with certain properties, depending on which species of bacteria the scientists add to the ink.

The former can break down the toxic chemical phenol, which is produced on a large scale in the chemical industry, while the latter secretes high-purity nanocellulose.

This bacterial cellulose relieves pain, retains moisture, and is stable, opening up potential applications in the treatment of burns.

The printing platform offers numerous potential combinations, according to researchers. In a single pass, scientists can use up to four different inks containing different species of bacteria at different concentrations in order to produce objects exhibiting several properties.

IASbaba's Daily Quiz

December 6, 2017

The ink is composed of a biocompatible hydrogel that provides structure. The culture medium for the bacteria is mixed into the ink so that the bacteria have all the prerequisites for life.

Source: <http://www.thehindu.com/todays-paper/tp-life/living-materials-printed-using-bio-ink/article21262884.ece>

Q.3) 'Operation Barga' was launched in

- a) Kerala
- b) Karnataka
- c) Rajasthan
- d) West Bengal

Q.3) Solution (d)

Operation Barga was a land reform movement throughout rural West Bengal for recording the names of sharecroppers (bargadars) while avoiding the time-consuming method of recording through the settlement machinery.

Q.4) Consider the following statements about 'Arogya 2017'

1. It is jointly organized by Ministry of AYUSH and Ministry of Commerce and Industry
2. It is a comprehensive exhibition cum conference on Ayurveda, Yoga, Naturopathy, Unani, Siddhha, Sowa Rigpa, Homoeopathy and wellness.

Select the correct statements

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.4) Solution (c)

The First Ever International Conference on AYUSH and Wellness 'Arogya 2017' was inaugurated. 'Arogya 2017' has been jointly organized by Ministry of AYUSH and Ministry of

Commerce and Industry of Government of India including Pharmexcil in partnership with FICCI to showcase the strength and scientific valuation of traditional system of medicine.

'Aroyga 2017' is a comprehensive exhibition cum conference on Ayurveda, Yoga, Naturopathy, Unani, Siddhha, Sowa Rigpa, Homoeopathy and wellness.

Source: <http://pib.nic.in/newsite/PrintRelease.aspx?relid=174078>

Q.5) Consider the following statements about National Policy for Drug Demand Reduction

1. It is drafted by Ministry of Social Justice & Empowerment
2. It proposes a system of Accreditation of de-addiction Centres in order to standardize the treatment/ facilities provided in coordination with Ministry of Health and Family Welfare and other stakeholders.

Select the correct statements

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

Q.5) Solution (c)

The Ministry has prepared a draft of the National Policy for Drug Demand Reduction which, inter alia, involves States Governments/ Union Territories, Ministries and other stakeholders.

The key features of the National policy for Drug Demand Reduction are as follows:

- Education & Awareness Building at all levels.
- Treatment and Rehabilitation (whole person recovery).
- Networking of Service Providers.
- Capacity Building & Training of service providers in the field of drug with a view to build up skilled manpower.
- Data Collection and Management.
- Inter-Sectoral Collaboration and International Cooperation.
- The policy also proposes a system of Accreditation of de-addiction Centres in order to standardize the treatment/ facilities provided in coordination with Ministry of Health and Family Welfare and other stakeholders.

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Source: <http://www.thehindu.com/news/national/finalising-policy-against-drug-abuse-govt-tells-sc/article21261551.ece>

