



# EXCEL CIVILS ACADEMY

## DAILY CURRENT AFFAIRS

Date: 01-09-2020

### EXPLANATION

1. Ans) (a)

Explanation :

Union Coal Ministry organised a webinar on Coal Gasification and Liquefaction. India aims for 100 million tonnes (MT) coal gasification by 2030 with investments worth over Rs. 4 lakh crores, said Pralhad Joshi, Union Minister of Coal and Mines. For encouraging use of clean sources of fuel, government has provided for a concession of 20% on revenue share of coal used for gasification. This will boost production of synthetic natural gas, energy fuel, urea for fertilisers and production of other chemicals. For development of Surface Coal Gasification in India, a Steering Committee has been constituted under the chairmanship of Dr. V.K. Saraswat, Member, NITI Aayog comprising of members from the Ministry of Coal.

2. Ans) (c)

Explanation :

Air Force Sports Control Board was conferred with 'Rashtriya Khel Protsahan Puruskar 2020' for the outstanding contribution in helping sportsperson to excel in their respective disciplines. Air Force Sports Control Board (AFSCB) is the apex body for planning and conduct of sports activities within the IAF and at Inter-Services level. It has been the constant endeavour of AFSCB to improve standards of IAF teams and to guide them in career progression as sportsmen in IAF. The award is for sustained efforts towards encouragement and promotion of sports in the country and IAF in particular.

3. Ans) (a)

Explanation :

CSIR-CMERI has developed the World's Largest Solar Tree, which is installed at CSIR-CMERI Residential Colony, Durgapur. The installed capacity of the Solar Tree is above 11.5 kWp. It has the annual capacity to generate 12,000-14,000 units of Clean and Green Power, West Bengal. There are a total of 35 Solar PV Panels in each tree with a capacity of 330 wp each. The inclination of the arms holding the Solar PV Panels are flexible and can be adjusted as per requirement, this feature is not available in Roof-Mounted Solar facilities. Each Solar Tree will cost Rs 7.5 lakhs and the interested MSMEs can align their Business Model with the Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM KUSUM) Scheme for farmers, for developing a Renewable Energy based Energy Grid. The Central Mechanical Engineering Research Institute (also known as CSIR-CMERI Durgapur) is a

public engineering research and development institution in Durgapur, West Bengal. It is a constituent laboratory of the Indian Council of Scientific and Industrial Research (CSIR).

4. Ans) (a)

Explanation :

Scientists from Raman Research Institute (RRI), an autonomous institute under the Department of Science & Technology, have found a new way of inferring the state of a system (both two-dimensional qubits as well as higher-dimensional “qubits”) from an interference pattern, which they term ‘Quantum State Interferography’. Scientists are experimenting with new ways to manipulate quantum states so that they can be harnessed for computing, communication, and metrology. This method of characterisation called Quantum State Interferography, can help make such manipulations simpler so that several crucial operations in quantum technologies become less cumbersome. The setup requires only two interferometers from which many interferograms can be obtained to reconstruct the state. This provides a ‘black box’ approach to quantum state estimation -- between the incidence of the photon and extraction of state information, conditions within the set-up are not changed, thus providing a true single-shot estimation of the quantum state. A qubit is a 2-dimensional quantum system and requires usually 2 complex numbers to be determined towards state estimation.

5. Ans) (c)

Explanation :

Japan has committed an official Development Assistance loan of 3,500 crore rupees for the COVID-19 Crisis Emergency Response Support to India. Japan International Cooperation Agency, JICA is a governmental agency that coordinates Official Development Assistance for the Government of Japan. This programme loan aims to support India’s efforts in fighting COVID-19 and to prepare the health system to manage future epidemics. India and Japan have had a long and fruitful history of bilateral development cooperation since 1958. The recent step further consolidates and strengthens the Strategic and Global Partnership between India and Japan.

6. Ans) (a)

Explanation :

The High Commission of India gifted books on the life of Bangabandhu Sheikh Mujibur Rahman and the liberation war of Bangladesh to 100 universities and colleges in Bangladesh to mark Mujib Barsho in Bangladesh. Mujib Barsho is the birth centenary year of Bangladesh’s founder president Sheikh Mujibur Rahman. Bangabandhu Sheikh Mujibur Rahman is the founder of modern Bangladesh and one of the most influential and courageous leaders of the 20th century. She said that Bangabandhu laid the foundation of India-Bangladesh relations.

7. Ans) (c)

Explanation :

The Reserve Bank of India (RBI) announced a host of steps, including term repo operations totalling Rs. 1 lakh crore in mid-September to ease pressure on the liquidity with a view to ensuring sustainable recovery of economic growth. In order to reduce the cost of funds, banks that had availed of funds under long-term repo operations (LTROs) may exercise an option of reversing these transactions before maturity. Banks may reduce their interest liability by returning funds taken at the repo rate prevailing at that time (5.15 per cent) and availing funds at the current repo rate of 4 per cent. RBI has also decided to allow banks to hold fresh acquisitions of statutory liquidity ratio (SLR) securities acquired from September 1, 2020, under Held-To-Maturity (HTM) up to an overall limit of 22 % of net demand and time liabilities (NDTL) up to March 31, 2021 which shall be reviewed thereafter. Currently, banks are required to maintain 18 per cent of their reserves in SLR securities. The extant limit for investments that can be held in the HTM category is 25 per cent of total investment. RBI will conduct additional special open market operations involving the simultaneous purchase and sale of government securities for an aggregate amount of Rs 20,000 crore in two tranches of Rs 10,000 crore each. The auctions would be conducted on September 10, 2020, and September 17, 2020.

8. Ans) (b)

Explanation

The acronym BIPOC stands for “black, Indigenous and people of color.

It is a movement that urges to acknowledge the diversity in skin color, race, and hair and advocates for in-clusivity and representation across all areas of life, from politics to skin care. The term is used to reinforce the collective experience between Black and Indigenous people and to unite them.

9. Ans) (b)

Explanation

Constitutional Provisions for Persons with Disability:

Article 41 of the Directive Principles of State Policy (DPSP) states that the State shall make effective provision for securing right to work, to education and to public assistance in cases of unemployment, old age, sickness and disablement, within the limits of its economic capacity and development. The subject of ‘relief of the disabled and unemployable’ is specified in the state list of the Seventh Schedule of the constitution.

10. Ans) (b)

Explanation

Kavkaz-2020 is a multinational tri-services exercise to be conducted in Russia. It is part of a four-year exercise cycle of the Russian army. Previous editions of the exercise were held in 2012 and 2016.

In 2020 it will be conducted in the Astrakhan province of Southern Russia.

Member countries of Shanghai Cooperation Organisation (SCO) and Central Asian countries would be participating in this multilateral exercise. India has withdrawn its participation from Kavkaz 2020, citing Covid-19 as the official reason.