



# EXCEL CIVILS ACADEMY

## DAILY CURRENT AFFAIRS

Date: 06-07-2021

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### EXPLANATION

1. Ans) (c)

Explanation:

Union Cabinet has accorded approval for the revised implementation strategy of BharatNet through Public-Private Partnership (PPP) mode in 16 States of the country.

About BharatNet:

BharatNet Project was originally launched in 2011 as the National Optical Fibre Network (NOFN) and renamed as Bharat-Net in 2015. It seeks to provide connectivity to 2.5 lakh Gram Panchayats (GPs) through optical fibre. It is a flagship mission implemented by Bharat Broadband Network Ltd. (BBNL). The objective is to facilitate the delivery of e-governance, e-health, e-education, e-banking, Internet and other services to rural India.

2. Ans) (d)

Explanation:

Reliance Industries Ltd (RIL) is investing Rs 75,000 crore in its new business focused on clean energy, which includes solar and green hydrogen. The company will build four giga factories focusing on solar, storage battery, green hydrogen and a fuel cell factory, which can convert hydrogen into mobile and stationary power.

What is green hydrogen?

Hydrogen when produced by electrolysis using renewable energy is known as Green Hydrogen which has no carbon footprint. The hydrogen that is in use today is produced using fossil fuels, which is the primary source. Organic materials such as fossil fuels and biomass are used for releasing hydrogen through chemical processes.

Significance of Green Hydrogen:

Green hydrogen energy is vital for India to meet its Nationally Determined Contribution (INDC) Targets and ensure regional and national energy security, access and availability. Green Hydrogen can act as an energy storage option, which would be essential to meet intermittencies (of renewable energy) in the future. In terms of mobility, for long distance mobilisations for either urban freight movement within cities and states or for passengers, Green Hydrogen can be used in railways, large ships, buses or trucks, etc.

3. Ans) (c)

Explanation:

France has assumed the Chairmanship on 29 Jun 21 for a two-year tenure. IONS is a significant international maritime security initiative launched in February 2008. It provides a forum for discussion of regional maritime issues and promotes friendly relationships among member nations. It is a voluntary initiative that seeks to increase maritime co-operation among navies of the littoral states of the Indian Ocean Region by providing an open and inclusive forum for discussion of regionally relevant maritime issues. IONS includes 24 nations that permanently hold territory that abuts or lies within the Indian Ocean, and 8 observer nations.

4. Ans) (a)

Explanation:

Hyderabad-based company Grene Robotics has designed and developed India's first autonomous drone defence dome called "Indrajaal".

5. Ans) (c)

Explanation:

Israeli defense technology company, Rafael Advanced Defense Systems Ltd, has unveiled a 5th generation long range, autonomous, precision-guided missile system, "Sea Breaker," for the US Navy.

6. Ans) (d)

Explanation:

India is ranked 10th in the Global Cybersecurity Index 2020 (GCI) released by the International Telecommunication Union (ITU), the United Nations (UN) agency for information and communication technologies (ICT).

The United States has topped the GCI 2020. The United Kingdom and Saudi Arabia is tied on the second position followed by Estonia.

7. Ans) (b)

Explanation:

Recently, due to Covid-19-Pandemic an app called chendavia is gaining popularity among the students of kalbeliya dance.

About kalbeliya dance Kalbeliya dances are an expression of the Kalbeliya community's traditional way of life. It was included in the UNESCO list of Intangible Cultural Heritage (ICH) in 2010. UNESCO's List of ICH is made up of those intangible heritage elements that help demonstrate diversity of cultural heritage and raise awareness about its importance.

It was established in 2008. The dance form consists of swirling and graceful movements. The movements associated with the Kalbelia also make it one of the most sensuous forms of folk dance in India. It is generally performed for any joyous celebration. Another unique aspect is that it is only performed by women while the men play the instruments and provide the music.

About the Kalbeliya Tribe

- Kalbeliya tribe people were once professional snake handlers.
- Today they are seen in their former occupation in music and dance.
- They live a nomadic life and belong to the scheduled tribes.
- The largest number of the population of Kalbeliyas is in Pali district, then Ajmer, Chittorgarh and Udaipur district (Rajasthan).

8. Ans) (c)

Explanation:

Recently, India has ranked tenth (10th) in Global Cybersecurity Index (GCI) 2020 by ITU (International Telecommunication Union) by moving up 37 places. Top countries: USA (1st), UK and Saudi Arabia (2nd), Estonia (3rd). Performance is based on five parameters of cybersecurity – Legal measures, technical measures, organisational measures, capacity development, and cooperation. About India's performance India scored a total of 97.5 points. India secured the fourth position in the Asia Pacific region. India is emerging as a global IT superpower. There has been substantial overall improvement and strengthening of the cybersecurity domain. About International Telecommunication Union It is the United Nations specialized agency for information and communication technologies – ICTs. Founded in 1865. Objective: To facilitate international connectivity in communications networks. Headquarters: Geneva, Switzerland.

Functions:

It allocates global radio spectrum and satellite orbits. Develops the technical standards that ensure networks and technologies seamlessly interconnect. Strives to improve access to ICTs to underserved communities worldwide.

9. Ans) (a)

Explanation:

The Guindy National Park provides a number of ecosystem services to the people of Chennai, Tamil Nadu. Ecosystem services are the direct and indirect contributions of ecosystems to human well-being. It is India's eighth-smallest national park and one of the very few national parks located inside a city. It is located in the heart of Chennai's metropolitan area. It is one of the last remnants of the tropical dry evergreen forests of the Coromandel Coast. In 1978 the small area, popularly known as Guindy Deer Park, was declared as a national park.

10. Ans) (c)

Explanation:

A team of researchers conducted a Study on black carbon and its impacts on health.

Key findings:

Black Carbon has a significant adverse effect on human health and can lead to a premature death. The Indo-Gangetic plain is exposed to Black Carbon (BC) with serious implications on regional climate and human health. Mortality rises linearly with an increase in air pollutants level and shows adverse impact at higher levels.

Relevance and significance of the study:

The inclusion of BC as a potential health hazard inspires and provides a background for more epidemiological studies to provide evidence of health effects of air pollutants from different parts of India. This will help government and policy-makers for better planning to mitigate the adversity associated with changing climate-air pollution-health nexus. What is black Carbon? What are the concerns?

Black carbon results from the incomplete combustion of fossil fuels and biomass. BC is produced both naturally and by human activities as a result of the incomplete combustion of fossil fuels, biofuels, and biomass. Primary sources include emissions from diesel engines, cook stoves, wood burning and forest fires. It is a short-lived pollutant that is the second-largest contributor to warming the planet behind carbon dioxide (CO<sub>2</sub>).