

Weekly Quiz Answers (12th June- 18th June)

Ans1. D

Explanation:

- The CEPA signed between the Government of the United Arab Emirates (UAE) and the Government of the Republic of India (India).
- The landmark agreement was signed on 18 February 2022, and has officially entered into force on 1 May 2022. Under the CEPA, both countries expect to boost bilateral trade from USD 60 Billion to USD 100 Billion within the next 5 years; key products that will immediately benefit from the Agreement include oil & gas, petrochemicals, minerals, textiles, agriculture, jewellery and gems, metals and more.
- The CEPA aims to eliminate tariffs to more than 10,000 tariff lines within a period of 10 years, and it is expected to have a major impact on trading between India, the UAE and the wider Gulf Cooperation Council (GCC) region.
- India and the UAE on Monday set a target to increase the non-oil trade from the current \$48 billion to \$100 billion by 2030.
- The goal to achieve \$100 billion in non-oil trade was set during the first meeting of the Joint Committee of India-UAE Comprehensive Economic Partnership Agreement (CEPA).

Ans 2. A

Explanation:

On November 20, 1997, a Rohini RH-300 Mk-II sounding rocket rose to the skies from Svalbard, Norway, operationalising a new rocket launching range.

- The solid propellant-powered rocket was shipped from India by the Indian Space Research Organisation (ISRO).
- The RH-300 Mk-II was given a new name by the NSC (Norwegian Space Centre): Isbjorn-1, which translates literally as 'Polar Bear-I.'
- ISRO had shipped the RH-300 Mk-II to Norway after qualifying it for arctic weather conditions.

Weather Challenges:

- The Rohini rockets had till then flown only in the tropical hot and humid conditions in India.
- The Svalbard archipelago, on the other hand, sits in the Arctic Ocean and temperatures were on the extremely low side.
- Designed to launch a 70 kg payload to an altitude of 120 km, the RH-300 would carry a Langmuir Probe on-board, to undertake Polar Ionospheric studies.
- In 1997, the Isbjorn-1 took to the skies, reaching, however, an altitude of only 71 km.
- Its range, too, fell short of the designed 129 km, by 35 km.

Ans 3. C

Explanation:

- A celt is a prehistoric tool made of stone or metal, typically used as a cutting or shaping implement. It can serve as an axe, chisel, or adze, and was commonly used during the Neolithic period for various purposes such as woodworking, farming, and construction.

- A shoe-last celt was a polished stone tool used during the early European Neolithic for felling trees and woodworking.
- A celt, belonging to the Neolithic period, was discovered in Poothinatham by Tamil Nadu's Department of Archaeology.

Ans 4. A

Explanation:

- India's polar research station, "Himadri," was indeed established at Ny-Ålesund in Svalbard, Norway in 2008. Himadri serves as a base for Indian scientists and researchers who conduct studies in the Arctic region.
- Ny-Ålesund is an international research settlement located in the Svalbard archipelago, which is under Norwegian administration. It is a significant hub for scientific research due to its unique location and the diverse range of research conducted there by various countries.
- The establishment of Himadri in Ny-Ålesund allows Indian researchers to explore various aspects of Arctic science, including studies on climate change, atmospheric research, glaciology, marine biology, and more. It facilitates collaboration with other research stations in the region and contributes to the global understanding of the Arctic environment.

Ans 5. B

Explanation:

- The formation of a tropical cyclone requires certain favorable conditions. These include warm sea surface temperatures (typically above 26.5°C or 80°F), sufficient atmospheric moisture, low vertical wind shear (the change in wind speed and direction with height), and a pre-existing disturbance such as a tropical wave or a low-pressure system. When these conditions are met, the disturbance can develop into a tropical depression, then further intensify into a tropical storm and eventually a tropical cyclone.
- The third statement is incorrect because Tropical cyclones have a warm core, which means the central region is warmer than the surrounding environment. This warm core is a result of the release of latent heat during the condensation of water vapor within the storm system.

Ans 6. B

Explanation:

The Global Wind Day was established by the European Wind Energy Association (EWEA) and the Global Wind Energy Council (GWEC). These organizations came together to create an annual event dedicated to raising awareness about the benefits of wind power and promoting the importance of renewable energy sources. The first Global Wind Day took place on June 15, 2007, and since then, it has been celebrated every year on that date to showcase the potential and achievements of wind energy worldwide.

Ans 7. D

Explanation:

- Uniform Civil Code resonates with one country one rule, to be applied to all religious communities. The term, 'Uniform Civil Code' is explicitly mentioned in Part 4, Article 44 of the Indian Constitution.

- Article 44 says, “The State shall endeavor to secure for the citizens a uniform civil code throughout the territory of India.”
- Article 37 of the Constitution itself makes it clear the DPSP “shall not be enforceable by any court”. Nevertheless, they are “fundamental in the governance of the country”. This indicates that although our constitution itself believes that a Uniform Civil Code should be implemented in some manner, it does not make this implementation mandatory.

Ans 8. B

Explanation:

- Statement 2 is correct. CFPI is a measure of overall consumer price inflation related to food.
- Statement 3 is correct. CFPI is useful for monitoring the cost of living for consumers as it reflects changes in food prices.
- Statement 1 is incorrect. CFPI includes not only the prices of raw food materials but also the prices of processed and cooked food items.
- Statement 4 is incorrect. A higher CFPI does not necessarily indicate increasing food prices. It represents the overall inflation in food prices, which can increase or decrease depending on various factors.

Ans 9. C

Explanation:

- The Wholesale Price Index represents the price of a basket of wholesale goods. WPI focuses on the price of goods that are traded between corporations. It does not concentrate on goods purchased by the consumers.
- The main objective of WPI is monitoring price drifts that reflect demand and supply in manufacturing, construction and industry.
- WPI helps in assessing the macroeconomic as well as microeconomic conditions of an economy.
- The Wholesale Price Index (WPI) is an important measure to monitor the dynamic movement of prices.

Ans 10. A

Explanation

- The Ministry of Women and Child Development (MoWCD) has launched an application called Poshan Tracker.
- The Poshan Tracker management application provides a 360-degree view of the activities of the Anganwadi Centre.
- The app facilitates efficient service delivery by digitizing and automating the tasks performed by Anganwadi Workers.
- To support their work, smartphones procured through Government e-Market (GeM) have been provided to the workers.
- Additionally, a designated individual has been appointed in each state to offer technical support and resolve any issues related to downloading and using the new Poshan Tracker application.
- Migrant workers who have registered in their original state can visit the nearest Anganwadi in their current place of residence to access the schemes and services provided through the app.

Ans 11. C

Explanation:

- 102nd Constitution Amendment Act, 2018 provides constitutional status to the National Commission for Backward Classes (NCBC).
- It has the authority to examine complaints and welfare measures regarding socially and educationally backward classes.
- Previously NCBC was a statutory body under the Ministry of Social Justice and Empowerment.
- The amendment inserted Articles 338B and 342A into the Indian Constitution.
- Article 338B deals with the structure, duties and powers of the National Commission for Backward Classes (NCBC).
- Article 342A deals with the power of the President of India to notify a particular caste as a Socially and Educationally Backward Class (SEBC) and the power of the Parliament to change the list.
- The amendment also brings about changes in Article 366. In article 366 of the Constitution socially and educationally backward classes" shall be inserted in 26 (C)

Ans 12. B

Explanation:

- The Solar Ultraviolet Imaging Telescope (SUIT), a unique space telescope developed by Pune's Inter-University Center for Astronomy and Astrophysics (IUCAA) has been delivered to the Indian Space Research Organisation (ISRO).
- SUIT is one of the main payloads on Aditya-L1.
- It will provide full disk images of Sun in 2000 - 4000 Å wavelength range.
- Full disk images in entire wavelength range have never been obtained.

Ans 13. B

Explanation:

- A cyclonic storm named Biparjoy has developed in the Arabian Sea.
- Biparjoy' was suggested by Bangladesh and the word means 'disaster' or 'calamity' in Bengali.
- The cyclone is predicted to gain strength over the next three days and develop into a very severe cyclonic storm.
- Cyclone Biparjoy, which is expected to generate wind speeds of 125-135 kmph with gusts reaching up to 150 kmph by the time it reaches land, is a tropical cyclone. Tropical cyclones are those which develop in the regions between the Tropics of Capricorn and Cancer. They are the most devastating storms on Earth.

Ans 14. A

Explanation: About Stem Cells

- A cell with the unique ability to develop into specialised cell types in the body.
- Provide new cells for the body as it grows, and replace specialised cells that are damaged or lost.
- Two unique properties:
 - They can divide over and over again to produce new cells.
 - As they divide, they can change into the other types of cell that make up the body.

Ans 15. B

Explanation:

In a report released by the Ministry of Social Justice and Empowerment (MSJE) last week, the government said that under the leadership of Prime Minister it had facilitated the addition of as many as 16 communities to the Central list of OBCs in Himachal Pradesh, Bihar, Jharkhand, Madhya Pradesh and Jammu and Kashmir.

- The communities likely to be added to the Central list are from States such as: o Maharashtra, o Telangana, o Andhra Pradesh, o Himachal Pradesh, o Punjab and Haryana.
 - The Telangana government has requested that nearly 40 communities currently listed under the State OBC list should be added to the Central list.
 - Andhra Pradesh has sought the addition of the Turup Kapu community, whereas Himachal Pradesh has asked for the Majhra community to be added.
 - The Maharashtra government has asked that the Lodhi, Lingayat, Bhoyar Pawar, Jhandse communities in the State also be added to the Central list of OBCs.
 - Similarly, Punjab has asked for the Yadav community to be included and Haryana for the Gosai/Gosain Community.
 - There are currently over 2,650 different communities listed in the Central OBC list for all States and Union Territories, including the 16 communities that were added since 2014.