

Solution
Weekly Quiz
(06th June – 12th June)

Answer1 D

Assistive Technology (AT) may include any item, piece of equipment, software programme or product system that is used to increase, maintain, or improve the functional capabilities of persons with disabilities. These aids could also be - Physical products such as wheelchairs, eyeglasses, hearing aids, prostheses, walking devices or continence pads; - Digital products such as software and apps that support communication and time management; or - Adaptations to the physical environment, for example, portable ramps or grab-rails.

Answer2 D

- **Statement 1 is incorrect-** Green hydrogen is produced with the help of electrolysis through electricity generated from renewable sources of energy such as solar and wind. In electrolysis, electric current splits water into hydrogen and oxygen. This process has no greenhouse gas emissions as the only by product of this process is oxygen.
- **Statement 2 is incorrect-** Fuel cell is a device that generates electricity through an electrochemical reaction, not combustion.

A fuel cell is composed of an anode, cathode, and an electrolyte membrane. A typical fuel cell works by passing hydrogen through the anode of a fuel cell and oxygen through the cathode.

Answer3 D

All statements are correct.

- **Conservation status:**
 - **Schedule 1** of the Wildlife Protection Act, 1972.

- **IUCN status:** It is listed as “vulnerable (VU)” under IUCN red list
- **CITES status:** The fishing cat is included on CITES **Appendix II**
- **Habitat**– It prefers wetland ecosystem and traditionally found in the **South and Southeast Asia’s rivers** such as Ganga, Brahmaputra, Godavari, Krishna, Irrawaddy and Chao Phraya.
- The fishing cat is etched on the 900-yearold **Angkor Wat complex in Cambodia** and captured on relics of the **Khmer empire**, which flourished between the 9th and 15th centuries on the mighty Mekong’s floodplains.

Answer4 A

Statement 1 is correct: The Movement aims to utilise the power of collective action and nudge individuals across the world to undertake simple climate-friendly actions in their daily lives. It also seeks to leverage the strength of social networks to influence social norms surrounding climate. The Mission plans to create and nurture a global network of individuals, namely ‘Pro-Planet People’ (P3).

Statement 2 is incorrect: The idea of LiFE was introduced by India during the 26th United Nations Climate Change Conference of the Parties (COP26) in Glasgow in 2021.

Answer5 B

Statement 1 is incorrect: Prohibited activities in ESZs: Commercial mining, sawmills, industries causing pollution, the establishment of major hydroelectric projects (HEP), and commercial use of wood. **Regulated activities in ESZs:** Felling of trees, establishment of hotels and resorts, commercial use of natural water, erection of electrical cables, drastic change of agriculture system. **Statement 2 is correct:** The purpose of declaring ESZs around national parks, forests and sanctuaries is to create some kind of a “shock absorber” for the protected areas.

Answer6 D

The technology is based on the convergence of broadband and broadcast using which mobile phones can receive terrestrial digital TV. It would be similar to how people listen to FM radio on their phones where a receiver within the phone can tap into radio frequencies. Applications of D2M Technology are: It can possibly be used to directly broadcast content related to citizen-centric information and can be further used to counter fake news, issue emergency alerts and

offer assistance in disaster management among other things. Apart from that, it can be used to broadcast live news, sports etc. on mobile phones.

Answer7 A

- **Statement 1 is correct:** Technically, a bad bank is an Asset Reconstruction Company (ARC) or an Asset Management Company (AMC) that takes over the bad loans of commercial banks, manages them and finally recovers the money over a period of time.
- **Statement 2 is incorrect:** The bad bank is not involved in lending and taking deposits, but helps commercial banks clean up their balance sheets and resolve bad loans.

Answer8 A

- **Statement 1 is correct:** It will be set up under the administrative jurisdiction of the Department of Public Enterprise, Ministry of Finance.
- **Statement 2 is incorrect:** It will undertake professional and orderly monetization of land and other non-core assets referred to it.

Answer9 C

- **Statement 1 is correct:** The Indian Copyright Act makes a distinction between **commercial** and **non-commercial infringement**.
- **Statement 2 is correct:** Unlike trademark law, it is **not mandatory** under the Copyright Act to register copyrights as a necessary precondition in order to enforce the same.

Answer10 B

Statement 1 is incorrect: The Supreme Court, while declining to interfere with the open ballot system, ruled that not voting for the party candidate will not attract disqualification under the anti-defection law. As voters, MLAs retain their freedom to vote for a candidate of their choice. However, the Court observed that since the party would know who voted against its own candidate, it is free to take disciplinary action against the legislator concerned.

Statement 2 is correct: A party MLA's show their votes only to an authorized agent (called Whip). The Rajya Sabha polls have a system of open ballots, but it is a limited form of openness. As a measure to check rampant cross-voting, there is a system of each party MLA showing his or her marked ballots to the party's authorized agent (called Whip), before they are put into the ballot box. Showing a marked ballot to anyone other than one's own party's authorized agent will render the vote invalid. Not showing the ballot to the authorized agent will also mean that the vote cannot be counted.

Answer11 D

The potential application of Geo-Spatial Sector includes,

Improve efficiency of economy: Geospatial mapping can **improve efficiency** in the logistics sector, mining sector, etc.

Creation of new startups and employment: The Geospatial sector provides opportunity for the booming startup sector of India.

Terrestrial, Aerial and Marine Navigation: Geospatial can be utilised for the promotion of taxi services and home delivery services like **Uber and Flipkart**. The data can also aid in marine and aerial navigations.

Agriculture, Forestry and Wildlife management: Geospatial data can be utilised in preparing customized geography specific plans for better management of agriculture, forestry and wildlife.

Answer12 A

- Species found in Tropical evergreen forests include rosewood, mahogany, aini, ebony, etc. Tropical (moist) deciduous forests are found in the north-eastern states along the foothills of Himalayas, eastern slopes of the Western Ghats and Odisha. Teak, sal, shisham, hurra, mahua, amla, semul, kusum, and sandalwood etc. are the main species of these forests.

Answer13 D

Commercial banks (other than regional rural banks, payment banks and local area banks) with past digital banking experience are permitted to open DBUs in tier 1 to tier 6 centres without having the need to take permission from the RBI in each case.

Answer14 B

Statement 1 is incorrect: Greater One-Horned Rhino is restricted to small habitats in Indo-Nepal terai and northern West Bengal and Assam. India is home to more than 75% of the greater one-horned rhino population of the world.

Statement 2 is correct: The rhino horn is used in traditional Chinese medicine to cure a range of ailments, from cancer to hangovers, and it is also used as an aphrodisiac in Vietnam, possessing a rhino horn is considered a status symbol.

Answer15 A

Statement 1 is correct: Bond Yields are the returns on bonds. The movements of bond yields and prices are opposite to each other. When bond prices rise, yields fall and vice-versa.

Statement 2 is correct: Rising bond yields are generally not good news for equity investors as they raise the cost of funds for companies and start hurting their earnings. It thus leads to an outflow of funds from equities towards a less risky debt instrument.

Statement 3 is incorrect: When bond yields rise and bond prices fall, net asset values of debt funds which hold a sizable chunk of government securities in their portfolios, will also decline.