

Q: Consider the following statement regarding Fungi:

1. They are eukaryotic organisms.
2. Fungi are either terrestrial or aquatic.
3. Fungi reproduce asexually.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- Fungi, along with Animalia (animals), Plantae (plants), Protista, Archaea/Archaeobacteria, and Bacteria or Eubacteria, form the six 'kingdoms' of biology.
- They are eukaryotic organisms; i.e., their cells contain membrane-bound organelles and clearly defined nuclei.
- Fungi usually reproduce both sexually and asexually.
- Fungi are either terrestrial or aquatic, the latter living in freshwater or marine environments.
- They are found in all temperate and tropical regions of the world where there is sufficient moisture to enable them to grow.
- A few species of fungi live in the Arctic and Antarctic regions, although they are rare and are more often found living in symbiosis with algae in the form of lichens.

Q: Consider the following statement regarding Aditya-L1 mission:

1. It will be launched by the GSLV launch vehicle.
2. It is the first space-based Indian mission to study the Sun.
3. The spacecraft shall be placed in a halo orbit around the Lagrange point 1 (L1) of the Sun-Earth system.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: b

Explanation:

- Aditya-L1 mission is the first space-based Indian mission to study the Sun.
- It will be launched by the PSLV-XL launch vehicle.
- The spacecraft shall be placed in a halo orbit around the Lagrange point 1 (L1) of the Sun-Earth system, which is about 1.5 million km from the Earth.
- A satellite placed in the halo orbit around the L1 point has the major advantage of continuously viewing the Sun without any occultation/eclipses.
- This will provide a greater advantage in observing solar activities and their effect on space weather in real-time.
- The spacecraft carries seven payloads to observe the photosphere, chromosphere and the outermost layers of the Sun (the corona) using electromagnetic particle and magnetic field detectors.

Q: Consider the following statement regarding Boramdeo Wildlife Sanctuary:

1. It is situated in Chhattisgarh.
2. This wildlife sanctuary is the origin of the Fen and Sankari rivers.

Choose the correct option from the codes given below:

- a) 1 Only
- b) 2 Only
- c) 1 and 2
- d) None of the above

Ans: c

Explanation:

- Boramdeo Wildlife Sanctuary is situated in the Kawardha district of Chhattisgarh.
- It is named after the famous 11th-century Boramdeo Temple situated near the Sanctuary.
- It shares a border with Kanha National Park in Madhya Pradesh, making it an important tiger habitat in central India.
- This wildlife sanctuary is the origin of the Fen and Sankari rivers.

Q: Consider the following statement:

1. Kamaladevi Chattopadhyay
2. Arvind Kejriwal
3. Anshu Gupta of Goonj

Who among the following are the winner of Ramon Magsaysay Award?

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: d

Explanation:

- Ramon Magsaysay Award is Asia's premier prize and the highest honour celebrates the greatness of spirit and transformative leadership in Asia.
- Prominent Indians who have won the award include Vinoba Bhave in 1958, Mother Teresa in 1962, Kamaladevi Chattopadhyay in 1966, Satyajit Ray in 1967, and Mahasweta Devi in 1997.
- In recent years, Arvind Kejriwal (2006), Anshu Gupta of Goonj (2015), human rights activist Bezwada Wilson (2016), and journalist Ravish Kumar (2019) have won the award.

Q: Consider the following statement regarding Currency Chest:

1. It is a place where the RBI stocks the money meant for banks and ATMs.
2. New currency notes that are printed by RBI, they are first delivered to currency chests.
3. They does not act as cash distribution centres.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- A currency chest is a place where the Reserve Bank of India (RBI) stocks the money meant for banks and ATMs.
- The RBI has authorised select scheduled banks to establish currency chests.
- The monitoring authority over the chests lies with the RBI. They are inspected by representatives of RBI from time to time.
- Whenever new currency notes are printed by RBI, they are first delivered to currency chests. These notes are then delivered to other banks by the banks holding the currency chests.
- They act as cash distribution centres. These currency chests are expected to distribute banknotes and rupee coins to other bank branches in their area of operation.
- RBI takes back soiled notes and mutilated notes from the public through currency chests.