

Q: Consider the following statement regarding Igai semkhu:

1. It roamed the earth during the Campanian age of the Late Cretaceous epoch.
2. It includes species ranging from the largest known terrestrial vertebrates to 'dwarfs' no bigger than elephants.
3. They were not plant eating dinosaurs.

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:

- Igai semkhu belongs to a diverse group of long-necked plant-eating dinosaurs called Titanosauria.
- Igai semkhu roamed the earth during the Campanian age of the Late Cretaceous epoch, approximately 75 million years ago.
- The group is known for large body sizes, long necks and wide stance. It includes species ranging from the largest known terrestrial vertebrates to 'dwarfs' no bigger than elephants.
- Igai semkhu constitutes one of the most informative dinosaurs yet recovered from the latest Cretaceous of Afro-Arabia.

Q: Consider the following statement regarding Naval Exercise Varuna:

1. It is the bilateral Naval Exercise between India and US.
2. The exercise also facilitates operational level interaction between the two Navies.
3. The exercise witnessed participation of guided missile frigates, tanker and Maritime Patrol Aircraft.

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:

- Naval Exercise Varuna is the bilateral Naval Exercise between India and France initiated in 1993.
- The exercise witnessed participation of guided missile frigates, tanker, Maritime Patrol Aircraft and integral helicopters from the two sides.
- Units of both navies endeavoured to enhance and hone their war fighting skills, improve interoperability and demonstrate their ability to promote, peace, security and stability in the region.
- The exercise also facilitates operational level interaction between the two Navies to foster mutual cooperation for good order at sea, underscoring the shared commitment to ensuring security, safety and freedom of the global maritime commons.

Q: Consider the following statement regarding Picoflare jets:

1. They were observed within emissions from the coronal hole.
2. These jets from the sun are named so because they carry approximately one-trillionth the energy of the largest flares.

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:

- The small-scale picoflare jets were observed within emissions from the coronal hole under observation.
- They lasted only a few dozen seconds, scientists calculated that they provide enough energy to supply a considerable fraction of solar winds.
- These jets from the sun are named so because they carry approximately one-trillionth the energy of the largest flares the sun is capable of producing

Q: Consider the following statement regarding *Schizostachyum andamanicum*:

1. It is only found in some forested areas of Andamans.
2. It grows primarily in the wet tropical biome.
3. It has small, white flowers that are arranged in clusters.

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: d

Explanation:

- *Schizostachyum andamanicum* is only found in some forested areas of Andamans.
- It grows primarily in the wet tropical biome.
- This species of bamboo is characterized by a thin large hollow erect culm (stem) with long internodes and has the potential to develop into a straw.
- It has small, white flowers that are arranged in clusters. The seeds are small and black, and the seedlings have thin, light green leaves.

Q: Consider the following statement regarding Cheriya scroll painting:

1. It is a popular and modified version of Nakashi art.
2. Kaki Padagollu community practice this art.
3. This art form is unique to the state of Karnataka.

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:

- Cheriya scroll painting is a popular and modified version of Nakashi art, considered highly rich in the local motifs.
- This art form is unique to the state of Telangana and made mostly in Hyderabad currently.
- The Nakashis are the artists of Telangana and the scrolls constitute a key element of the social and cultural setting of Telangana.
- This traditional art form is considered an inseparable part of the profession comprising the story-telling and balladeer community called Kaki Padagollu.