

Q: Consider the following statement regarding Udangudi Panangrupatti:

1. The karupatti prepared from the palm sap from the region in Tamil Nadu.
2. Recently it has received a Geographical Indication (GI) tag.
3. This is due to the presence of black soil and soil holds more groundwater.

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:

- Recently, Udangudi 'Panangrupatti' (palm jaggery/ gur) from Tamil Nadu has received a Geographical Indication (GI) tag.
- The palm jaggery preparation procedure in this area is traditional till date without inclusion of any additional modern strategies.
- The karupatti prepared from the palm sap from the region around Udangudi in Tiruchendur taluk in Thoothukudi district has some uniqueness.
- This is due to the presence of red sand dune soil found in the region.
- This soil holds less groundwater. The moisture content in the atmosphere is less because of the dry climatic condition, which leads to high sucrose content, in turn adding taste.
- The region's dry climate is also suitable for storage of karupatti for a longer duration.
- No chemical additives like Triple super phosphate and phosphoric acid are used in its preparation.

Q: Consider the following statement regarding Titanosaur species

1. They are only found in Antarctica.
2. They were herbivorous quadrupeds.
3. They also possessed vertebrae with a honeycomb-like internal structure.

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:

- Titanosaur species lived from the Late Jurassic Epoch (163.5 million to 145 million years ago) to the end of the Cretaceous Period (145 million to 66 million years ago).
- Titanosaur fossils have been found on all continents except Antarctica and include some 40 species.
- The group contains the largest terrestrial animals known, some even approaching the size of modern whales.
- Like other sauropods, titanosaurs were herbivorous quadrupeds with long tails, long necks, and small heads.
- Their bodies were stockier and their limbs produced a wider stance than other sauropods.
- They also possessed vertebrae with a honeycomb-like internal structure and six sacral vertebrae

Q: Consider the following statement regarding Alps:

1. They are young fold mountains with rugged relief and high conical peaks.
2. They arose as a result of the collision of the African and Eurasian tectonic plates.

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 Alps emerged during the Alpine orogeny an event that began about 65 million years ago as the Mesozoic Era was drawing to a close.
- They are young fold mountains with rugged relief and high conical peaks.
- The Alps arose as a result of the collision of the African and Eurasian tectonic plates in which the Alpine Tethys which was formerly in between these continents disappeared.
- The Alps extend north from the subtropical Mediterranean coast near Nice, France, to Lake Geneva before trending east-northeast to Vienna (at the Vienna Woods).

Q: Consider the following statement regarding Gangetic river dolphin:

1. It is one of the few river dolphins found in the world.
2. It inhabits the Ganges-Brahmaputra-Meghna and Karnaphuli-Sangu river systems of Nepal, India, and Bangladesh.
3. They have a highly developed bio-sonar system that facilitates them to hunt for fish even in murky waters.

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:

- Gangetic river dolphin is a freshwater species and one of the few river dolphins found in the world.
- It inhabits the Ganges-Brahmaputra-Meghna and Karnaphuli-Sangu river systems of Nepal, India, and Bangladesh.
- Common Names: Blind dolphin, Ganges dolphin, Ganges susu, hihu, side-swimming dolphin, South Asian River Dolphin
- It has been recognized as India's National Aquatic Animal.
- It has a long thin snout, rounded belly, stocky body and large flippers.
- It feeds majorly on fishes and is usually found in counter-current systems of the main river channel.
- Its eyes lack lens, and as a result, this species is also referred to as the "blind dolphin".
- They have a highly developed bio-sonar system that facilitates them to hunt for fish even in murky waters.

Q: Consider the following statement regarding Watermeal:

1. It is an aquatic plant in the Araceae family.
2. It flourishes in temperate, sub-tropical, and tropical locations.
3. It is many branches and also has lots of leaves.

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:

- Watermeal is an aquatic plant in the Araceae family.
- It is the smallest flowering plant in the world and appears as small green seeds.
- It is often referred to as "duckweed" because it is a favorite food of ducks.
- It flourishes in temperate, sub-tropical, and tropical locations.

- They grow on the surface of lakes, ponds, and marshes.
- It is a very tiny (less than 1 millimeter) light green, free-floating, rootless plant.
- It is branchless and also has no leaves.