

**Q: Consider the following statement:**

1. Himalayan yak has earned the food animal tag.
2. The categorisation is expected to help check the decline in the yak population.
3. National Research Centre on Yak (NRC-Y) based in Ladakh.

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, the Himalayan yak has earned the food animal tag from the Food Safety and Standard Authority of India (FSSAI).
- The National Research Centre on Yak (NRC-Y) based in Dirang in Arunachal Pradesh had submitted a proposal to the FSSAI in 2021 for considering the yak as a food animal.
- The categorisation is expected to help check the decline in the population of the high-altitude bovine by making it a part of the conventional milk and meat industry.

**Q: Consider the following statement regarding lack Coral:**

1. They are not found in shallow water.
2. Coral are collected using dredging and trawling methods.
3. These corals looks like feather, fans or bushes.

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:

- Black corals can be found growing both in shallow waters and down to depths of over 26,000 feet (8,000 metres), and some individual corals can live for over 4,000 years.
- Many of these corals are branched and look like feathers, fans or bushes, while others are straight like a whip.
- Unlike their colourful, shallow-water cousins that rely on the sun and photosynthesis for energy, black corals are filter feeders and eat tiny zooplankton that are abundant in deep waters.
- In the past, corals from the deep parts of this region were collected using dredging and trawling methods that would often destroy the corals.

**Q: Consider the following statement:**

1. China proposed to establish a marine disaster prevention and mitigation cooperation mechanism.
2. China also proposed the establishment of a blue economy think tank network.

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:

- China proposed to establish a marine disaster prevention and mitigation cooperation mechanism between China and countries in the Indian Ocean region, and stood ready to provide necessary financial, material, and technical support to countries in need.
- China also proposed the establishment of a blue economy think tank network for China and countries in the Indian Ocean region with the support of Yunnan.

**Q: Consider the following statement:**

1. The Oceansat-3 are placed in the polar orbit.
2. ARGOS is a communication payload jointly developed by India and France.
3. The Sea Surface Temperature Monitor (SSTM) will provide ocean surface temperature.

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:

- The Oceansat-3 was placed in the polar orbit at the height of about 740 kilometers above sea level.
- While at ~1100 kilograms, it is only slightly heavier than Oceansat-1, for the first time in this series it houses three ocean observing sensors viz Ocean Color Monitor (OCM-3), Sea Surface Temperature Monitor (SSTM), and Ku-Band scatterometer (SCAT-3).
- ARGOS is a communication payload jointly developed with France and it is used for low-power (energy-efficient) communications including marine robotic floats (Argo floats), fish-tags, drifters, and distress alert devices useful for conducting effective search and rescue operations.
- The Sea Surface Temperature Monitor (SSTM) will provide ocean surface temperature which is a critical ocean parameter to provide various forecasts ranging from fish aggregation to cyclone genesis and movement.
- Temperature is a key parameter required to monitor health of the coral reefs, and if needed, to provide coral bleaching alerts.

**Q: Consider the following statement:**

1. Darjeeling Tea is also known as 'Champagne of Teas'.
2. Darjeeling Tea was the first Indian product to get the GI.
3. Nepal does not shares similar climatic conditions and terrain as Darjeeling.

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:

- Darjeeling Tea, called the 'Champagne of Teas', was the first Indian product to get the GI (Geographical Identification) tag in 2004 for its distinctive aroma and flavour.
- Nepal, which shares similar climatic conditions and terrain, produces tea at a lower price because of less input costs, particularly labour, and fewer quality checks. Even though the quality is no match, yet the tea from Nepal posed a serious challenge to Darjeeling Tea.