

Q: Consider the following statement regarding Santa Fe frog:

1. The scientific name is *Leptodactylus laticeps*.
2. It is an extremely rare species found only in South American countries.
3. IUCN has listed this species as critically endangered.

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:

- Santa Fe frog scientific name is *Leptodactylus laticeps*.
- It is an extremely rare species found only in South American countries namely Argentina, Bolivia and Paraguay.
- The frog is under threat as its habitat the Dry Chaco is cut down.
- IUCN has listed this species as Near Threatened.

Q: Which of the following exercise is not being conducted between India and France?

- a) Malabar Exercise
- b) Shakti Exercise
- c) SALVEX
- d) Exercise Tiger Triumph

Ans: b

Explanation:

- Recently, Indian Navy – US Navy (IN – USN) Salvage and Explosive Ordnance Disposal (EOD) exercise, SALVEX was conducted at Kochi.
- The other exercises conducted between India and US:
 - ❖ Malabar Exercise: It is a quadrilateral naval exercise of India, USA, Japan and Australia
 - ❖ Exercise Tiger Triumph: It is a humanitarian Assistance and Disaster Relief exercise.
 - ❖ Yudh Abhyas: It is a joint military exercise

Q: Consider the following statement regarding Gravity hole:

1. It is a region of the ocean where the effects of gravity are less than usual.
2. It is caused by variations in the gravitational pull of the Earth due to differences in the density of the materials that make up the Earth's crust.

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 gravity hole is a region of the ocean where the effects of gravity are less than usual.
- It occurs at the bottom of the ocean where there are gravitational anomalies.
- These anomalies are caused by variations in the gravitational pull of the Earth due to differences in the density of the materials that make up the Earth's crust.
- The Indian Ocean is home to one of the most profound gravitational anomalies on Earth known as the Indian Ocean Geoid Low (IOGL).

Q: Consider the following statement regarding Ubina Volcano:

1. It is a stratovolcano.
2. It is one of the most active volcanoes in Peru.
3. The upper portion of the volcano is made from lava flows from the Pleistocene.

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:

- Ubinas is a stratovolcano located in the Central Volcanic Zone of the Andes.
- It is one of the most active volcanoes in Peru, with more than 26 eruptive episodes recorded in the last 500 years.
- The Ubinas volcano is part of a group of seven volcanoes in southern Peru located within a volcanic zone that extends from southern Peru to northern Chile.
- The affected area is situated within the "Ring of Fire," a region encompassing the edges of the Pacific Ocean that is renowned for its volcanic activity and seismic events, such as earthquakes.
- The upper portion of the volcano is made from lava flows from the Pleistocene.
- The depression (caldera) at the summit contains a cone of volcanic ash sporting a vent shaped like a funnel.

Q: Consider the following statement regarding OpenKylin:

1. It is China's first open-source desktop operating system (OS).
2. Its users have access to the software's lines of code and can modify them as they wish.
3. It is a DOS-based operating 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: a

Explanation:

- OpenKylin is China's first open-source desktop operating system (OS).
- It is a Linux-based operating system built by a community of about 4,000 developers.
- OpenKylin users have access to the software's lines of code and can modify them as they wish, unlike Microsoft and Apple, which keep the workings of Windows and MacOS systems secret.