

**Q: Consider the following statement regarding Vyommitra:**

1. The AI-enabled robot, which can withstand vibrations and shock during the flight.
2. It is equipped with the capability to monitor module parameters
3. It is a male robot designed and developed by the DRDO.

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:

- Vyommitra is a combination of two Sanskrit words Vyoma (Space) and Mitra (Friend).
- It is a female robot designed and developed by the ISRO to fly aboard unmanned test missions ahead of the Gaganyaan human spaceflight mission.
- It is referred to as a half-humanoid robot as she doesn't have legs. However, she can bend forward and sideways.
- Besides going on uncrewed Gaganyaan missions, she will accompany astronauts on manned missions too.
- The AI-enabled robot, which can withstand vibrations and shock during the flight, has been designed to resemble a human with facial expressions, speech, and sight capabilities.
- It is equipped with the capability to monitor module parameters, issue alerts, and execute life support operations.

**Q: Consider the following statement regarding Terai:**

1. It India, Bihar and West Bengal are not the part of terrain land.
2. It is a lowland belt of flat, alluvial land stretching along the Nepal-India border.
3. The average elevation is below 750 m.

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:

- Terai, or Tarai, is a lowland belt of flat, alluvial land stretching along the Nepal-India border and running parallel to the lower ranges of the Himalayas.
- A strip of undulating former marshland, it stretches from the Yamuna River in the west to the Brahmaputra River in the east.
- It is the northern extension of the Gangetic Plain in India, commencing at about 300 metres above sea level and rising to about 1,000 metres at the foot of the Siwalik Range.
- In India, the Terai extends over the states of Haryana, Uttarakhand, Uttar Pradesh, Bihar, and West Bengal.
- The average elevation is below 750 m.

**Q: Consider the following statement regarding European Free Trade Association (EFTA):**

1. It is an intergovernmental organisation established by the Stockholm Convention.
2. EFTA currently has four member countries, Iceland, Liechtenstein, Norway, and Switzerland.

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:

- European Free Trade Association (EFTA) is an intergovernmental organisation established in 1960 by the Stockholm Convention.
- Promotes free trade and economic integration between its members within Europe and globally.
- Member Countries:
- EFTA currently has four member countries: Iceland, Liechtenstein, Norway, and Switzerland.
- The EFTA members are all open, competitive economies committed to the progressive liberalisation of trade in the multinational arena as well as in free trade agreements.

**Q: Consider the following statement regarding Ranthambore National Park:**

1. It lies at the junction of the Aravali and Vindhya hill ranges.
2. The vegetation is tropical dry deciduous and tropical thorn type.
3. The Chambal River in the south and the Banas River in the north bound the park.

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:

- Ranthambore National Park is located in the Sawai Madhopur district of southeastern Rajasthan.
- It lies at the junction of the Aravali and Vindhya hill ranges.
- It was the former hunting grounds of the Maharajas of Jaipur.
- It derives its name from the Ranthambore Fort situated within its precincts.
- It was on 1st November, 1980, that Ranthambore was declared a national park, while the forests located beside it were named Sawai Man Singh Sanctuary and Keladevi Sanctuary.
- It is characterised by rugged terrain with dense forests, lakes, and ancient ruins.
- The vegetation of the Ranthambore is tropical dry deciduous and tropical thorn type due to its hilly track; water is confined to narrow valleys and some lakes.
- The Chambal River in the south and the Banas River in the north bound the park.

**Q: Consider the following statement regarding Organization of Islamic Cooperation (OIC):**

1. It is the second-largest organisation in the world after the United Nations.
2. It aims to preserve Islamic values, safeguard and defend the national sovereignty and independence of member states.
3. It was established after the USA invasion of Iraq.

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:

- Organization of Islamic Cooperation (OIC) is the second-largest organisation in the world after the United Nations, with a collective population reaching over 1.8 billion.
- It was established in September 1969 upon a decision of the historical summit that took place in Rabat, Kingdom of Morocco, on September 25, 1969, as a result of the criminal arson of Al-Aqsa Mosque in occupied Jerusalem.
- The OIC is the collective voice of the Muslim world to ensure and safeguard their interests in economic, social, and political areas.

- It aims to preserve Islamic values, safeguard and defend the national sovereignty and independence of member states, and contribute to international peace and security.