

Q: Consider the following statement regarding Sealion:

1. These are known for their semi-aquatic lifestyle.
2. They can be found in the Pacific Ocean, the Atlantic Ocean, and parts of the Indian Ocean.
3. They inhabit only in sandy beaches.

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:

- Sealion is a marine mammal that belongs to the family Otariidae.
- These are known for their semi-aquatic lifestyle, spending a significant amount of time both on land and in the water.
- They have a streamlined body with a large head and a long, flexible neck.
- They typically have a brown or tan coat, and adult males develop a thick mane of hair around their necks.
- They inhabit rocky shorelines, islands, and sandy beaches.
- They can be found in various regions, including the Pacific Ocean, the Atlantic Ocean, and parts of the Indian Ocean.

Q: Consider the following statement regarding Meira Paibis:

1. Its initial focus on fighting for women empowerment.
2. They, also known as Imas or Mothers of Manipur.
3. It is one of the largest grassroots movements in the world.

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:

- The most visible organised face of civil society activists have been the Meira Paibis or “women torch bearers”, so called because of the flaming torches that they hold aloft while marching in the streets, often at night.
- They, also known as Imas or Mothers of Manipur, are Meitei women who come from all sections of society in Manipur.
- Members of this group are widely respected and represent a powerful moral force.
- The Meira Paibi was formed in 1977; presently, it is one of the largest grassroots movements in the world.
- Its initial focus on fighting alcoholism and drug abuse has now expanded to countering human rights violations and the development of society at large.

Q: Consider the following statement regarding Zero FIR:

1. It refers to an FIR that is registered irrespective of the area where the offence is committed.
2. It was introduced on the recommendation of the Justice Verma Committee.

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:

- Zero FIR refers to an FIR that is registered irrespective of the area where the offence is committed.
- The police, in such a case, can no longer claim that they have no jurisdiction.
- Such an FIR is then later transferred to the police station that has the actual jurisdiction so that the investigation can begin.
- It was introduced on the recommendation of the Justice Verma Committee formed at the backdrop of the brutal Nirbhaya gang rape in Delhi in 2012.
- This puts a legal obligation on the police to begin an investigation and take quick action without the excuse of the absence of jurisdiction.

Q: Consider the following statement regarding PM-PRANAM scheme:

1. It aims to reduce the use of chemical fertilisers by incentivising the state.
2. The main objective of the scheme is to encourage the balanced use of fertilisers in conjunction with bio fertilisers and organic fertilisers.
3. The Integrated Fertilisers Management System (iFMS) is the platform envisaged to track the use of fertilisers.

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:

- PM-PRANAM scheme aims to reduce the use of chemical fertilisers by incentivising the state.
- Under the scheme, the states which will adopt alternative fertilisers will be incentivised with the subsidy that is saved by reducing the use of chemical fertilisers.
- The main objective of the scheme is to encourage the balanced use of fertilisers in conjunction with bio fertilisers and organic fertilisers.
- The government will evaluate the utilisation of fertilisers in terms of increase or decrease in overall consumption in a year vis-a-vis consumption over the past three years.
- The Integrated Fertilisers Management System (iFMS) is the platform envisaged to track the use of fertilisers.

Q: Consider the following statement regarding Algae Bloom:

1. It is a rapid and excessive growth of algae in aquatic environments.
2. It causes the production of a neurotoxin called domoic acid.
3. It can occur only in freshwater.

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:

- Algal bloom is a rapid and excessive growth of algae in aquatic environments.
- It can occur in both freshwater and marine ecosystems and is typically caused by a combination of factors such as nutrient availability, temperature, light, and water conditions.
- It causes the production of a neurotoxin called domoic acid.
- These can also proliferate because of human causes such as climate change and an excess of nitrates washed out to sea.