

Q: Consider the following statement regarding Clethodim:

1. It is used as an herbicide that is used to control annual and perennial grasses.
2. It tends not to be persistent in soil or aquatic systems.
3. It is not soluble in water.

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:

- Clethodim is an oxime O-ether resulting from the formal conversion of the acyclic keto group of oxime with the chloroallyl group.
- It is used as an herbicide that is used to control annual and perennial grasses.
- It is highly soluble in water and has a low volatility.
- It tends not to be persistent in soil or aquatic systems.
- It is moderately toxic to birds, fish, aquatic plants, honeybees and earthworms but is less toxic to aquatic invertebrates and algae.

Q: Consider the following statement regarding Kaliveli Bird Sanctuary:

1. This wetland is the largest brackish water lake in South India.
2. It is connected to the Bay of Bengal by the Uppukalli Creek.
3. The lake has a feeding ground for long-distance migrants birds from the cold subarctic regions.

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:

Kaliveli Bird Sanctuary

- This wetland is the second-largest brackish water lake in South India after Pulicat Lake.
- The Kaliveli Lake is connected to the Bay of Bengal by the Uppukalli Creek and the Edayanthittu sanctuary and is visited for nesting by migratory birds on the Central Asian flyway.
- The southern part of the wetland has been reserved land since 2001.
- The lake has a feeding ground for long-distance migrants from the cold subarctic regions of Central Asia and Siberia, including Black-tailed Godwits, Eurasian Curlew, White Stork, Ruff and Dublin.

Q: Consider the following statement regarding Foreign Portfolio Investment (FPI):

1. They intend to invest money into the foreign country's stock market to generate a quick return.
2. In India, they are regulated by the Securities and Exchange Board of India (SEBI).

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:

- Foreign Portfolio Investment (FPI) refers to the purchase and holding of a wide array of foreign financial assets by investors seeking to invest in a country outside their own.
- Foreign portfolio investors have access to a range of investment instruments such as stocks, bonds, mutual funds, derivatives, fixed deposits, etc.
- FPI generally intends to invest money into the foreign country's stock market to generate a quick return.
- In India, foreign portfolio investment is regulated by the Securities and Exchange Board of India (SEBI).

Q: Consider the following statement regarding Bidriware:

1. It is a form of metal handicraft that has Persian influences.
2. The origin of Bidriware as a craft is attributed mostly to the Bahamani Sultans.
3. The art form developed in the kingdom was a mix of Turkish, Persian and Arabic influences.

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:

- Bidriware is a form of metal handicraft that has Persian influences and has been made for centuries by artisans from Karnataka's Bidar district.
- It is renowned for its intricate, handcrafted designs.
- The origin of Bidriware as a craft is attributed mostly to the Bahamani Sultans who ruled the region during the 14th and 15th centuries.
- It was first brought to India by the noted Sufi Khwaja Moinuddin Hasan Chisti in the form of utensils.
- The art form developed in the kingdom was a mix of Turkish, Persian and Arabic influences, which were intermingled with the local styles, and thus a unique style of its own was born.

Q: Consider the following statement regarding Emperor Penguin:

1. It is the largest of the world's penguin species found only in Antarctica.
2. They breed in the winter.
3. They are listed in IUCN Red List 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:

- Emperor Penguin is the largest of the world's penguin species found only in Antarctica.
- In breeding months (April to November), emperor penguin colonies are found between 66° and 78° south latitude along the Antarctic coastline.
- They breed in the winter.
- They have large stores of insulating body fat and several layers of scale-like feathers that protect them from icy winds.
- They are listed in IUCN Red List as Near Threatened.