

Q: Consider the following statement regarding INS Trishul:

1. It is the second frigate of the Talwar class.
2. Talwar class frigate has been built in Russia under an Indo-Russian joint production.
3. It is not equipped with stealth technology.

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:

- INS Trishul is the second frigate of the Talwar class of the Indian Navy.
- It is the guided missile frigate that joined the arsenal of the Indian Navy in 2003.
- Key facts about the Talwar class of frigates:
 - ❖ These have been built in Russia under an Indo-Russian joint production.
 - ❖ These missile frigates are modified Krivak III class frigates from Russia.
 - ❖ Due to the use of stealth technologies and a special hull design, the resulting frigate features reduced radar cross section (RCS) as well as electromagnetic, acoustic and infrared signatures.

Q: Consider the following statement regarding Sal Tree:

1. It is leafless during summer season.
2. It occurs in northern and central Indian regions.
3. The resin of this tree is used in the indigenous system of medicine.

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:

- Sal Tree is a large sub-deciduous tree which is seldom completely leafless.
- It is indigenous to India and occurs in two main regions separated by Gangetic plain namely the northern and central Indian regions.
- It requires well-drained, moist and sandy loam soil.
- It survives upto a maximum temperature of 36°C to 44°C and minimum temperature of 11°C to 17°C and it needs an average rainfall of 1000 mm to 3500 mm per annum.
- The resin of this tree is used in the indigenous system of medicine.

Q: Consider the following statement regarding gift tax:

1. The gift is exempted from tax if it was given by a relative.
2. Gifts received during weddings are usually exempted from tax.
3. Gifts received as part of the inheritance are exempted from tax.

Choose the correct option from the codes given below:

- a) One pair is correct
- b) Two pair is correct
- c) Three pair is correct
- d) None of the above

Ans: c

Explanation:

- The Parliament of India introduced the Gift Tax Act in 1958, and gift tax is essentially the tax charged on the receipt of gifts.
- The Income Tax Act states that gifts whose value exceeds Rs.50,000 are subject to gift tax in the hands of the recipient.
- The gift is exempted from tax if it was given by a relative.
- Gifts received during weddings are usually exempted from tax.
- Gifts received as part of the inheritance are exempted from tax.
- Cash or rewards received by local authorities or educational institutions based on merit is exempted from tax.

Q: Consider the following statement regarding Acinetobacter baumannii:

1. It is a Gram-negative bacteria.
2. It has been associated with hospital-acquired infections in India.
3. It was acknowledged to be a “red alert” pathogen.

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:

- Acinetobacter baumannii is a Gram-negative bacteria, which means it has a protective outer membrane that allows it to resist antibiotics.
- It has been associated with hospital-acquired infections in India.
- It was acknowledged to be a “red alert” pathogen because of its exceptional ability to develop resistance to all currently available antibiotics.

Q: Consider the following statement regarding Udanti Sitanadi Tiger Reserve:

1. It is located in Chhattisgarh.
2. Deodhara and Godene falls are famous fall near the reserve.
3. The Pairi river flow through the Reserve.

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:

- Udanti Sitanadi Tiger Reserve is located in the Indian state of Chhattisgarh.
- Udanti and Sitanadi are two wildlife sanctuaries combined together, covering a total area of 1842.54 kilometre square.
- It was declared a tiger reserve in the year 2008-09.
- The Udanti river flow through the Reserve. There is few perennial springs including the famous Deodhara and Godene falls.
- The topography of the area is a broken mass of land traversed by innumerable hill ranges intercepted by strips of plains.
- Flora:
 - The flora of the tiger reserve contains various types of forest crop mixed with Sal forest.
 - Dry Deciduous Forests, Tropical and Sub-Tropical vegetation is also observed here.

