

Q: Consider the following statement regarding India-Myanmar-Thailand Trilateral Highway:

1. It starts from Moreh in Manipur, passing through Myanmar before reaching Mae Sot in Thailand.
2. The India-Myanmar Friendship Road forms the first segment of the IMT Highway.
3. On the Indian side, the project is being implemented by the Ministry of Finance.

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:

- India-Myanmar-Thailand Trilateral Highway is a significant regional connectivity project that aims to establish a road link between India, Myanmar, and Thailand.
- The highway will span a distance of approximately 1,360 kilometres (845 miles), starting from Moreh in Manipur, India, and passing through Myanmar before reaching Mae Sot in Thailand.
- It was first proposed by former Prime Minister Atal Behari Vajpayee and was approved at a ministerial-level meeting between India, Myanmar and Thailand in April 2002.
- The construction of the India-Myanmar-Thailand Trilateral Highway began in 2012 and is being implemented in several phases.
- The India-Myanmar Friendship Road forms the first segment of the IMT Highway. It runs from the border at Tamu/Moreh to Kalemyo and Kalewa.
- On the Indian side, the project is being implemented by the Ministry of External Affairs (MEA) with the cooperation of its counterparts in Myanmar and Thailand and budgetary allocation from the Ministry of Finance.

Q: Consider the following statement regarding Fibromyalgia:

1. It is a type of psychological disorder.
2. Women are more likely to develop fibromyalgia than men.
3. Researchers believe that fibromyalgia amplifies painful sensations by affecting the way your brain and spinal cord.

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:

- Fibromyalgia is a long-term (chronic) health condition that causes pain and tenderness throughout your body.
- It causes musculoskeletal pain and fatigue.
- It affects people of any age, including children.
- Women are more likely to develop fibromyalgia than men.
- Researchers believe that fibromyalgia amplifies painful sensations by affecting the way your brain and spinal cord process painful and nonpainful signals.

Q: Consider the following statement regarding Ramgarh Vishdhari Tiger Reserve:

1. It forms the buffer area between Ranthambore tiger reserve and the Mukundara Hills tiger reserve.
2. The Mez River passes through this tiger reserve.

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:

- Ramgarh Vishdhari Tiger Reserve lies in the south-eastern part of Rajasthan in Bundi district with representation of both Vindhyan and Aravalli elements.
- It is in continuation with the buffer area of Ranthambore tiger reserve in the North-eastern side and the Mukundara Hills tiger reserve in the southern side.

- The Mez River (a tributary of Chambal River) passes through this tiger reserve.
- The terrain is mostly rugged and hilly.
- The area is confined to biogeographic classification 4A which is the 'Semi-arid' Zone of India.
- The habitat is dominated by Dhok (*Anogeissus pendula*) trees.

Q: Consider the following statement regarding Cicada:

1. They are hemipteran insects known for their acoustic signals or songs.
2. The generic diversity of cicadas in India and Bangladesh ranks the highest in the world.
3. They are canopy dwellers and are found in natural forests with large trees.

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:

- Cicadas are hemipteran insects known for their loud, complex and species-specific acoustic signals or songs.
- The generic diversity of cicadas in India and Bangladesh ranks the highest in the world, followed by China.
- Most cicadas are canopy dwellers and are found in natural forests with large trees.
- It could extend across the tropical evergreen forests ranging from Goa to Kanyakumari.

Q: Consider the following statement regarding Pilot Whales:

1. They are one of the largest members of the dolphin family.
2. There are two species of pilot whales.
3. Males of both species are smaller than females.

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:

- Pilot Whales are one of the largest members of the dolphin family.
- They belong to the dolphin family Delphinidae.
- There are two species of pilot whales:
- Short-finned pilot whales (*Globicephala macrorhynchus*), which are mainly found in tropical and warm-temperate regions.
- Long-finned pilot whales (*G. melas*), which inhabit colder waters.
- Males of both species are larger than females.
- Both species are black, and some individuals have a pale, elongated anchor-shaped mark adorning the throat and chest.