

Q: Consider the following statement regarding Neurocysticercosis:

1. It is a parasitic infection.
2. Humans become infected after consuming undercooked food, particularly pork.
3. It affect the human heart.

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:

- Neurocysticercosis is a parasitic infection of the central nervous system and is caused by the pork tapeworm, *Taenia solium*.
- Humans become infected after consuming undercooked food, particularly pork, or water contaminated with tapeworm eggs, or through poor hygiene practices.
- Taeniasis is the intestinal infection of the adult tapeworm.
- When left untreated, a more serious condition known as cysticercosis develops as *T. solium* larvae invade body tissues.
- When larvae build up in the central nervous system, muscles, skin, and eyes, it leads to neurocysticercosis.
- It is the most severe form of the disease and a common cause of seizures worldwide.

Q: Consider the following statement regarding Snow crabs:

1. It is generally found in warm and humid climate.
2. Males and females can be distinguished by the shape of their abdominal flaps.
3. These are found off the coast of Alaska in the Bering, Beaufort, and Chukchi Seas.

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 snow crab is named after the climate where it lives: the coldest parts of the North Atlantic Sea and the Northern Pacific Ocean, where the water temperature is always below 4°C.
- On top they are brownish in color and underneath they are lighter. Their eyes are green or greenish blue.
- Males and females can be distinguished by the shape of their abdominal flaps. On males this flap is triangular, and on females it is broadly rounded.
- These are found off the coast of Alaska in the Bering, Beaufort, and Chukchi Seas.
- Usually, cold, arctic water makes ideal habitat for snow crabs (*Chionoecetes opilio*).

Q: Consider the following statement regarding United Nations World Tourism Organization (UNWTO):

1. It serves as a global forum for tourism policy.
2. Spanish is one of the official language of this Organisation.

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:

- United Nations World Tourism Organization (UNWTO) is the United Nations agency responsible for the promotion of responsible, sustainable, and universally accessible tourism.
- It serves as a global forum for tourism policy issues and encourages the implementation of the Global Code of Ethics for Tourism.
- It was established in 1975.
- Membership of the UNWTO includes 159 countries.
- The official languages of UNWTO are Arabic, Chinese, English, French, Russian and Spanish.

Q: Consider the following statement regarding Bombay Stock Exchange (BSE):

1. It is the oldest and largest stock exchange in India.
2. It was established as the Native Share and Stock Brokers' Association.
3. It trade in equity, fiat, debt instruments, derivatives, and mutual funds.

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:

- Bombay Stock Exchange (BSE) is the oldest and largest stock exchange in India.
- It was established in 1875 as the Native Share and Stock Brokers' Association.
- In 1957, the Indian Government gave recognition to the BSE under the Securities Contracts Regulations Act.
- It is located on Dalal Street, Mumbai, and lists over 6000 companies.
- BSE boasts a variety of trading options in equity, fiat, debt instruments, derivatives, and mutual funds.
- In addition, it offers multiple trading services like clearing, settlement, risk management, and investor awareness.

Q: Consider the following statement regarding Jet Streams:

1. Jet streams blow from west to east all across the globe.
2. Earth has four primary jet streams.
3. They are formed when cold air masses intersect each other in the atmosphere.

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:

- Jet streams are bands of strong wind that generally blow from west to east all across the globe.
- Earth has four primary jet streams: two polar jet streams, near the north and south poles, and two subtropical jet streams closer to the equator.
- They impact weather, air travel, and many other things that take place in our atmosphere.
- Jet streams form when warm air masses meet cold air masses in the atmosphere.