

Q: Consider the following statement regarding LEED Certification:

1. It is the world's most widely used green building rating system in the world.
2. This certification provides a framework for healthy, highly efficient, and cost-saving green buildings.
3. This rating system is developed by UNEP.

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:

- Leadership in Energy and Environmental Design (LEED) is the world's most widely used green building rating system in the world.
- It is available for virtually all building types.
- This certification provides a framework for healthy, highly efficient, and cost-saving green buildings, which offer environmental, social and governance benefits.
- It is a globally recognized symbol of sustainability achievement and leadership.
- To achieve LEED certification, a project earns points by adhering to prerequisites and credits that address carbon, energy, water, waste, transportation, materials, health and indoor environmental quality.
- Projects go through a verification and review process by GBCI and are awarded points that correspond to a level of LEED certification: Certified (40-49 points), Silver (50-59 points), Gold (60-79 points) and Platinum (80+ points).
- This rating system is developed by the United States Green Building Council (USGBC).

Q: Consider the following statement regarding INS Vagir:

1. It is a Kilo-class submarine.
2. It is built under Project-75.
3. It has advanced stealth features.

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:

- INS Vagir was launched into water on November 12, 2020 and commenced sea trials on February 1, 2022.
- It is a Kalvari-class submarine, which includes vessels, such as the INS Kalvari, INS Khanderi, INS Karanj, INS Vela and INS Vagsheer.
- It is the fifth Scorpène-class submarine.
- It is built under Project-75 by the Mazgaon Docks Ltd, under technology transfer from the Naval Group of France under a \$3.75 billion deal signed in October 2005.
- Features
- It is capable of undertaking diverse missions including anti-surface warfare, anti-submarine warfare, intelligence gathering, mine laying and surveillance missions.
- It has advanced stealth features and is also equipped with both long-range guided torpedoes and anti-ship missiles.
- It is having "superior stealth features" like advanced acoustic absorption techniques.

Q: Consider the following statement regarding Non-steroid Anti-inflammatory Drugs:

1. These are medicines that are widely used to relieve pain, reduce inflammation, and bring down a high temperature
2. The most popular examples of drugs in this group are aspirin and ibuprofen.

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:

- Non-steroid Anti-inflammatory Drugs are medicines that are widely used to relieve pain, reduce inflammation, and bring down a high temperature.
- These drugs block the production of certain body chemicals that cause inflammation.
- The most popular examples of drugs in this group are aspirin and ibuprofen.

Q: Consider the following statement regarding Reef Sharks:

1. They are indicator species for marine ecosystems.
2. They are threatened by the degradation and destruction of their coral reef habitat.
3. Their habitation is tropical waters near coral reefs.

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:

- Reef Sharks play a major role in shaping Caribbean reef communities.
- As the top predators of the reef and indicator species for marine ecosystems, they help maintain the delicate balance of marine life in reef environments.
- Tropical waters near coral reefs, sea grass beds and mangroves.
- The Caribbean reef shark, nurse shark, grey reef shark, blacktip reef shark and whitetip reef shark
- They are highly valued for their meat, leather, liver oil, and fishmeal, which make them prone to overfishing and targeting.
- They are threatened by the degradation and destruction of their coral reef habitat due to coastal development and resulting pollution.
- They are often unintentionally caught by unregulated and illegal fishing practices that cannot distinguish the reef shark from the fishers' targeted species.

Q: Consider the following statement regarding Gandhi Peace Prize:

1. It was instituted on the occasion of the 125th Birth Anniversary of Mahatma Gandhi.
2. Sultan Qaboos Bin Said Al Said of Oman was awarded this award
3. The prize can be given to institutions and organisations only.

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:

- Gandhi Peace Prize is an annual award instituted by the Government of India in 1995,
- It was instituted on the occasion of the 125th Birth Anniversary of Mahatma Gandhi as a tribute to the ideals espoused by Mahatma Gandhi.
- The award is open to all persons regardless of nationality, race, language, caste, creed or gender.
- The award carries an amount of 1 crore, a citation, a plaque and an exquisite traditional handicraft/handloom item.
- The prize can be given to institutions, individuals and organisations.
- Recent awardees include Sultan Qaboos Bin Said Al Said, Oman (2019) and Bangabandhu Sheikh Mujibur Rahman (2020), Bangladesh.