

Daily Current Affairs Prelims Quiz 20-12-2022 (Online Prelims Test)

1) Consider the following statements with respect to Rumi Darwaza:


1. It was constructed by the Nawab of Awadh and is also known as the Gate of Glory.
2. It was built to outshine the Bab-i-Humayun of the Ottoman Sultans in Turkey.
3. It is part of the UNESCO intangible cultural heritage list.

Which of the above statement(s) is/are correct?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2 and 3

Answer : a

Rumi Darwaza

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- It is a monumental gateway built in the 18th century by the 4th Nawab of Awadh, Asaf-ud-daula.
 - It is located in Lucknow, Uttar Pradesh.
 - This gateway along with the Bara Imambara were built by Asaf-ud-daula to define his new capital after he shifted the seat of the Nawabs of Awadh from Faizabad to Lucknow in 1775 CE.
 - This arresting gateway, commissioned by the Nawab in 1784 CE, was meant to outshine the Bab-i-Humayun of the Ottoman Sultans in Istanbul, Turkey.
 - It took the name Rumi, which means relating to Rome, as Istanbul was once the capital of Byzantium, the Eastern Roman Empire.
 - It is not part of the UNESCO intangible cultural heritage list.

2) Which of the following statement is associated with the term Cryomesh, recently seen in news?

- a. It is the last stage of space launch vehicles which makes use of cryogenics.
- b. It is the process of thermo-physical process occurring in freezing and thawing earth materials.
- c. It is the technology that will help to freeze and store the corals.
- d. It refers welding at low temperatures (-200 degree Celsius) to improve the quality of the materials being welded together.

Answer : c

Cryomesh

- Cryogenically frozen coral can be stored and later reintroduced to the wild but the current process requires sophisticated equipment including lasers.
- Scientists say a new lightweight "cryomesh" can be manufactured cheaply and better preserves coral.

- The cryomesh was previously trialled on smaller and larger varieties of Hawaiian corals.
- A trial on the larger variety failed.
- Trials are continuing with larger varieties of Great Barrier Reef coral.
- The mesh technology, which will help store coral larvae at -196C (-320.8°F).

3) Consider the following statements with respect to Organ Donations in India:

1. Living donors between the ages of 18 to 40 are limited to donating the organs only to their immediate blood relatives.
2. In India organ donations from deceased donors is more than living donors.
3. The Transplantation of Human Organs Act (THOA) 1994 deals with the organ donations in India.

Which of the above statement(s) is/are **incorrect**?

- a. 1 and 3 only
- b. 1 and 2 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer : b

Organ Donations in India

- The Transplantation of Human Organs Act (THOA) 1994 was enacted to provide a system of removal, storage and transplantation of human organs for therapeutic purposes and for the prevention of commercial dealings in human organs.
- There is no age limit for organ donation.
- It can be started at as young as six weeks.
- The only essential thing is the health and condition of the organs.
- Individuals can donate all their organs and tissues - heart, kidneys, lungs, corneas, pancreas etc.
- In India organs donated by deceased persons is more than the organs donated by living persons/donors.

4) Consider the following statements:

1. Article 47 under the directive principles of state policy (DPSP) deals with the prohibition of alcohol.
2. Alcohol is a subject in the State list under the seventh schedule of the Indian Constitution.
3. Bihar, Gujarat, and Nagaland are dry states in India.

Which of the above statement(s) is/are correct?

- a. 1 only
- b. 2 only
- c. 3 only
- d. 1, 2 and 3

Answer : d

Alcohol dry states in India

- Article 47 of The Constitution of India is one of the Directive Principles which directs the state to bring about prohibition of the consumption of alcohol except for medicinal purposes.
- Alcohol is a subject in the State list under the seventh schedule of the Indian Constitution.
- The states that define selling alcohol is illegal, are called as 'Dry States' in India.
- Gujarat, Nagaland, Manipur, Mizoram and Bihar are the dry states in India.

5) Which of the following initiatives is associated with Black Carbon?

1. Pradhan Mantri Ujjwala Yojana
2. Sustainable Alternative Towards Affordable Transportation (SATAT)
3. National Clean Air Programme
4. Faster Adoption and Manufacturing of Electric Vehicles (FAME)

Choose the correct code.

- a. 1 and 2 only
- b. 1, 3 and 4 only
- c. 2 and 4 only
- d. 1, 2, 3 and 4

Answer : d

Black Carbon

- The study of Himalayan glaciers is a complex and evolving subject studied through investigations, data collection and analysis of various research studies by scientists in India and all over the world.
- The glaciers and their characteristics exhibit complex changes in specific locations across different sub-regions of the Himalayas.
- The Indian Space Research Organization (ISRO) is operating a network of aerosol observatories under ISRO Geosphere Biosphere Programme.
- One of the parameters being measured from this network is the black carbon mass concentration.
- The long-term measurements of black carbon over the Indian region from the aforesaid regional network of aerosol observatories clearly shows a decreasing trend in the past decade.
- The Government has taken several measures to control black carbon emissions which inter-alia include the following:
 - Pradhan Mantri Ujjwala Yojana promoting use of cleaner household cooking fuels.
 - Leapfrogging from BS-IV to BS-VI norms for fuel and vehicles from 1st April, 2020.
 - Network of metro rails for public transport has been enhanced and more cities are covered.
 - Introduction of cleaner / alternate fuels like gaseous fuel (CNG, LPG etc.), ethanol blending.
 - A new initiative, "Sustainable Alternative Towards Affordable Transportation (SATAT)", has been launched to set up 5000 Compressed Bio-Gas (CBG) production plants and make CBG available in the market for use.
 - Faster Adoption and Manufacturing of Electric Vehicles (FAME) phase-2 scheme has been rolled out.
 - Shifting of brick kilns to zig-zag technology for reduction of pollution. Industrial units shifting to piped natural gas.