

1. Consider the following statements about the United Nations Human Rights Council:

1. Its members are elected through direct and secret ballot.
2. Its membership is based on equitable geographical distribution.
3. Its members are not eligible for re-election.

Select the correct answer using the code given below:

- (a) 1 and 2 only (b) 2 and 3 only
 (c) 1 and 3 only (d) All of the above

2. Which of the following have been correctly matched?

1. Kelvin: temperature
2. Ampere: electrical current
3. Mole: amount of a substance

Select the correct answer using the code given below:

- (a) 1 and 2 only (b) 2 and 3 only
 (c) 1 and 3 only (d) All of the above

3. Which of the following are among the functions of World Wide Fund for Nature (WWF)?

1. To conserve the world's biological diversity.
2. To ensure that the use of renewable natural resources is sustainable.
3. To promote the reduction of pollution and of wasteful consumption.
4. To study the effects of climate change on nature.

Select the correct answer using the code given below:

- (a) 1, 2 and 3 only
 (b) 1, 3 and 4 only
 (c) 2 and 3 only
 (d) All of the above

4. According to the order passed by the EC while allotting broadcast time to political parties on Doordarshan, which of the following should be avoided in speeches?

1. Criticism of other countries.
2. Attack on religions/communities.
3. Criticism by names of persons.

Select the correct answer using the code given below:

- (a) 1 and 2 only
 (b) 2 and 3 only
 (c) 1 and 3 only
 (d) All of the above

5. Production of same quantity of electricity is much cheaper by Solar thermal systems than by Solar Photovoltaic (PV) because:

- (a) Solar PV uses costly materials in manufacturing than solar thermal.
- (b) Solar PV uses only solar heat whereas solar thermal can use any form of energy.
- (c) Solar PV results in some loss in conversion of light energy into electric energy, whereas in solar thermal, there is no conversion.
- (d) None of these.

6. Consider the following statements:

1. Under the Green Highways Project, the government has made it mandatory to set aside 2 per cent of the total project cost of any NH contract to a Green Fund corpus that will be used for plantation purposes.
2. The afforestation through the Green Highways Project is expected to help in sequestering approximately 12 lakh mt carbon annually.

Select the correct answer using the code given below:

- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2

7. Consider the following statements:

1. Lagoons are areas of relatively shallow, quiet water situated in a coastal environment and having access to the sea but separated from the open marine conditions by a barrier.
2. An estuary is a partially enclosed coastal body of brackish water with one or more rivers or streams flowing into it, and with a free connection to the open sea.

Select the correct answer using the code given below:

- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2

8. Consider the following statements about the Montreux Record:

1. It is maintained as part of the Ramsar List.
2. Sites may be added to and removed from the Record without the approval of the Contracting Parties in which they lie.
3. Currently, two wetlands of India are in Montreux record viz. Keoladeo National Park, Rajasthan and Loktak Lake, Manipur.

Select the correct answer using the code given below:

- (a) 1 and 2 only
(b) 2 and 3 only
(c) 1 and 3 only
(d) All of the above

9. Consider the following statements:

1. Rani Rudrama Devi became the ruler of the Kakatiya Empire after the death of her father.
2. She was the first and the only woman to rule over Andhra.

Select the correct answer using the code given below:

- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2

10. Consider the following statements:

1. Indira Sagar (Polavaram) project is located on river Godavari.
2. The project implements Godavari-Mahanadi link under Interlinking of rivers project.

Select the correct answer using the code given below:

- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2

11. Which of the following are among the reasons of snakebite being a “neglected tropical disease”?
1. Snakebite envenoming is a high-impact disease.
 2. A majority of incidents of snakebite occur in the world’s tropical and sub-tropical regions.
 3. The impact of snakebite can be mitigated now if we make the effort to do so.
 4. The overall level of investment in research addressing snakebite, from prevention to diagnosis to treatment and rehabilitation, is exceptionally low in comparison to its impact.
- Select the correct answer using the code given below:
- (a) 1, 2 and 3 only
 - (b) 2, 3 and 4 only
 - (c) 1 and 3 only
 - (d) All of the above
12. Which of the following are among the neglected tropical diseases identified as such by the WHO?
1. Leprosy
 2. Dengue
 3. Tetanus
 4. Rabies
- Select the correct answer using the code given below:
- (a) 1, 2 and 3 only
 - (b) 2, 3 and 4 only
 - (c) 1, 2 and 4 only
 - (d) All of the above
13. Consider the following statements:
1. The World Health Organization has selected the Rajasthan government’s Medical & Health Department for its award this year in recognition of its achievements in the field of tobacco control.
 2. The Health Department of the State is the only government body in the country which will be awarded for its tobacco-free initiatives.
- Select the correct answer using the code given below:
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
14. Consider the following statements:
1. The Aadhaar number confers right of citizenship in respect of an Aadhaar number holder.
 2. Aadhaar can be used as a permanent Financial Address.
- Select the correct answer using the code given below:
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
15. Which of the following events was responsible for causing persistent cold in Europe and the U.S. in January in 2019?
- (a) Strengthening of the polar vortex
 - (b) Weakening of the polar vortex
 - (c) Strengthening of the Gulf Stream

- (d) Weakening of the Gulf Stream
16. While there are planets and moons all over the solar system, only Earth is lucky enough to experience lunar eclipses because:
- Earth has only one Moon.
 - Moon rotates not only its own axis but also revolves around the Earth.
 - Earth's shadow is just large enough to cover the moon completely.
 - Moon lies much closer to Earth than the Moons of other planets in the solar system.
17. The episodic nature of the Earth's glacial and interglacial periods within the present Ice Age (the last couple of million years) have been caused primarily by:
- Cyclical changes in the Earth's circumnavigation of the Sun.
 - Variations in solar storms and solar wind.
 - Reversal of earth's magnetic poles.
 - Climatic changes caused by volcanic eruptions.
18. About 36-70% of the greenhouse effect in the Earth's atmosphere is due to which of the following:
- Water Vapour
 - Methane
 - Carbon dioxide
 - Sulphur dioxide
19. Which among the following can be used to deliver drugs to cells?
- Sperms
 - Bacteria
 - Stem cells
- Select the correct answer using the code given below:
- 1 and 2 only
 - 2 and 3 only
 - 1 and 3 only
 - All of the above
20. Consider the following statements:
- Radioactive substances give out radiation all of the time.
 - There are three types of nuclear radiation: alpha, beta and gamma.
 - Alpha is the most penetrating, while gamma is the least penetrating.
- Select the correct answer using the code given below:
- 1 and 2 only
 - 2 and 3 only
 - 1 and 3 only
 - All of the above

ANSWER KEYS

01 a 02 d 03 a 04 d 05 c 06 b 07 c 08 c 09 c 10 a
 11 d 12 c 13 c 14 b 15 b 16 c 17 a 18 a 19 d 20 a