

1-Which of the following statements is/are correct ?

Proper design and effective implementation of UN REDD+ programme can significantly contribute

- 1.protection of biodiversity
- 2.resilience of forest ecosystem
- 3.property reduction

Select the correct Answer using the code given below

- a)1 and 2 only
- b)3 only
- c)2 and 3 only
- d)1, 2 and 3**

2- Which of the following are the reasons/factors for exposure to benzene pollution ?

- 1-Automobile exhaust
- 2-Tobacco smoke
- 3-Wood burning
- 4-Using varnished wooden furniture
- 5-Using products made of polyurethane

Select the correct answer using the code given below :

- [a] 1, 2 and 3 only
- [b] 2 and 4 only
- [c] 1, 3 and 4 only
- [d] 1, 2, 3, 4 and 5**

3- Consider the following statements:

- 1-36% of India's districts are classified as "overexploited" or "critical" by the Central Ground Water Authority (CGWA).
- 2-CGWA was formed under the Environment (Protection) Act.
- 3-India has the largest area under groundwater irrigation in the world.

Which of the statements given above is/are correct?

- [a] 1 only
- [b] 2 and 3 only**
- [c] 2 only
- [d] 1 and 3 only

4- According to India's National Policy on Biofuels, which of the following can be used as raw materials for the production of biofuels?

- 1-Cassava
- 2-Damaged wheat grains
- 3-Groundnut seeds
- 4-Horse gram
- 5-Rotten potatoes
- 6-Sugar beet

Select the correct answer using the code given below:

- [a] 1, 2, 5 and 6 only**
- [b] 1, 3, 4 and 6 only
- [c] 2, 3, 4 and 5 only
- [d] 1, 2, 3, 4, 5 and 6

5-Why does the Government of India promote the use of 'Neem-coated Urea' in agriculture?

- a)Release of Neem oil in the soil increases nitrogen fixation by the soil microorganisms.
- b)Neem coating slows down the rate of distribution of urea in the soil

- c) Nitrous oxide, which is a greenhouse gas, is not at all released into the atmosphere by crop fields.
d) It is a combination of a weedicide and a fertilizer for particular crops.

6- The "Red Data Books" published by the International Union for Conservation of Nature and Natural resources (IUCN) contain lists of ?

1. Endemic plant and animal species present in the biodiversity hotspots.
2. Threatened plant and animal species.
3. Protected sites for conservation of nature and natural resources in various countries.

Select the correct answer using the codes given below:

- (a) 1 and 3
(b) 2 only
(c) 2 and 3
(d) 3 only

7- Biodiversity forms the basis for human existence in the following ways:

1. Soil formation
2. Prevention of soil erosion
3. Recycling of waste
4. Pollination of crops

Select the correct answer using the codes given below

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

8- Which one of the following is not a site for in-situ method of conservation of flora ?

- (a) Biosphere Reserve
(b) Botanical Garden
(c) National Park
(d) Wildlife Sanctuary

9- The 2004 Tsunami made people realize that mangroves can serve as a reliable safety hedge against coastal calamities. How do mangroves function as a safety hedge?

- (a) The mangrove swamps separate the human settlements from the sea by a wide zone in which people neither live nor venture out.
(b) The mangroves provide both food and medicines which people are in need of after any natural disaster.
(c) The mangrove trees are tall with dense canopies and serve as an excellent shelter during a cyclone or tsunami
(d) The mangrove trees do not get uprooted by storms and tides because of their extensive roots.

10- With reference to 'red sanders' sometimes seen in the news consider the following statements:

1. it is tree species found in a part of south India
2. it is one of the most important trees in the tropical rain forest areas of south India

Which of the statements given above is/are correct

- a) 1 only**
b) 2 only
c) both 1 and 2
d) neither 1 nor 2

11- Consider the following statements about 5G communications?

- 1.China is the first country to roll out 5G services.
- 2.Latency rate of 5G is higher than 4G services.

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

12- Which of the following causes Pneumonia?

- 1.Virus
- 2.Bacteria
- 3.Fungi

Select the correct answer from the code given below:

(a)1 only
(b)1 and 2 only
(c)2 and 3 only
(d)1,2 and 3

13- With reference to Solar and Heliospheric Observatory (SOHO), consider the following statements:

- 1.It is newly launched project of ISRO.
- 2.It seeks to study the structure and dynamics of Sun's Interior.

Which of the statements given above is/are correct?

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

14- Which of the following statements is/are correct with respect to K-4 ballistic missile?

- 1.It is a submarine version of Agni – V
- 2.It has been indigenously developed by DRDO.

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 among the following can possibly lead to the development of Anti-microbial resistance (AMR) in humans?

- 1.Use of antibiotics in Poultry Industry
- 2.Self-Medication of antibiotics without doctor's consultation
- 3.Not completing the complete dosage of antibiotics

Select the correct answer using the code given below:

(a)1 only
(b)1 and 2 only
(c)1 and 3 only
(d)1, 2 and 3

16- Consider the following statements about rare diseases in India:

- 1.A disease is called rare disease when its incidence is at the rate of 1 in 10,000 people.
- 2.Only genetic disease come under the ambit of rare diseases.

Which of the statements given above is/are correct?

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

17- Which of the following is correct about the measles?

- 1. Measles is caused by virus.
- 2. Only children of age less than 5 can be affected by measles.

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

18- Recently, scientists observed the merger of giant blackholes billions of light-years away from the Earth. What is the significance of this observation?

- (a) Higgs boson particles' were detected.
- (b) Gravitational waves' were detected.**
- (c) Possibility of inter-galactic space travel through Svormhole' was confirmed.
- (d) It enabled the scientists to understand 'singularity'

19- Consider the following statements related to NewSpace India Ltd.

- 1. It is the new commercial arm of the ISRO.
- 2. It is under the administrative control of Department of Space.

Which of the statements given above is/are correct?

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

20- Consider the following statements:

- 1. After Chandrayaan 1 mission, India became the 4th country to reach Lunar surface.
- 2. Had it been a success Chandrayaan 2 would be the 1st lander mission to moon's south pole.

Which of the statements given above is/are correct?

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

21- With reference to Competition Commission of India (CCI), consider the following statements:

- 1. It is an executive body responsible for prohibiting anticompetitive practices.
- 2. Competition Appellate Tribunal is the appellate tribunal to hear and dispose of appeals against CCI.

Which of the statements given above is/are correct?

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

22. Consider the following statements about Saffron Cultivation:

- 1. Saffron in India is cultivated in the states of Jammu & Kashmir, Sikkim and Meghalaya.

2. Recently, Kashmir Saffron has got the GI tag.

Which of the statements given above is/are correct?

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

23. With reference to the Dharchula region, consider the following statements:

- 1. The region is prone to the earthquakes of micro and moderate magnitude.
- 2. The region is located in the peninsular Indian.

Which of the statements given above is/are correct?

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

24. With reference to recommendations of National Education Policy 2020, consider the following statements:

- 1. Vocational Education shall start from Class 10 with Internships.
- 2. By 2030, the minimum degree qualification for teaching will be a 4-year integrated B.Ed. degree.

Which of the statements given above is/are correct?

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

25. Consider the following statements:

- 1. The mRNA vaccine can be used for protecting against viral infection.
- 2. Sputnik V is an undertrial vaccine for Covid-19.

Which of the above statements is/are correct?

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