

1- Other than poaching, what are the possible reasons for the decline in the population of Ganges River Dolphins?

1. Construction of dams and barrages on rivers
  2. Increase in the population of crocodiles in rivers
  3. Getting trapped in fishing nets accidentally
  4. Use of synthetic fertilizers and other agricultural chemicals in crop-fields in the vicinity of rivers
- Select the correct answer using the code given below.

(a) 1 and 2 only

(b) 2 and 3 only

**(c) 1, 3 and 4 only**

(d) 1, 2, 3 and 4

2- Brominated flame retardants are used in many household products like mattresses and upholstery. Why is there some concern about their use?

1. They are highly resistant to degradation in the environment.
2. They are able to accumulate in humans and animals. 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

3- In India, the problem of soil erosion is associated with which of the following?

1. Terrace cultivation
2. Deforestation
3. Tropical climate

Select the correct answer using the code given below.

(a) 1 and 2 only

**(b) 2 only**

(c) 1 and 3 only

(d) 1, 2 and 3

4- The most important strategy for the conservation of biodiversity together with traditional human life is the establishment of

**(a) biosphere reserves**

(b) botanical gardens

(c) national parks

(d) wildlife sanctuaries

5- Every year, a month long ecologically important campaign/festival is held during which certain communities/ tribes plant saplings of fruit-bearing trees. Which of the following are such communities/ tribes?

(a) Bhutia and Lepcha

**(b) Gond and Korku**

(c) Irula and Toda

(d) Sahariya and Agariya

6- With reference to two non-conventional energy sources called 'coalbed methane' and 'shale gas', consider the following statements :

1. Coalbed methane is the pure methane gas extracted from coal seams, while shale gas is a mixture of propane and butane only that can be extracted from fine-grained sedimentary rocks.

2. In India, abundant coalbed methane sources exist, but so far no shale gas sources have been found.

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

7- The Himalayan range is very rich in species diversity. Which one among the following is the most appropriate reason for this phenomenon ?

(a) It has a high rainfall that supports luxuriant vegetative growth

**(b) It is a confluence of different bio-geographical zones.**

(c) Exotic and invasive species have not been introduced in this region.

(d) It has less human interference.

8- With reference to the Indian Renewable Energy Development Agency Limited (IREDA), which of the following statements is/are correct?

1. It is a Public Limited Government Company.
2. It is a Non – Banking Financial Company.

Select the correct answer using the code given below.

- (a) 1 only
- (b) 2 only
- (c) **Both 1 and 2**
- (d) Neither 1 or 2

9- In India, in which one of the following types of forests is teak a dominant tree species?

- (a) **Tropical moist deciduous forest**
- (b) Tropical rain forest
- (c) Tropical thorn scrub forest
- (d) Temperate forest with grasslands

10- Which of the following are some important pollutants released by steel industry in India?

- 1.Oxides of sulphur
- 2.Oxides of nitrogen
- 3.Carbon monoxide
- 4.Carbon dioxide

Select the correct answer using the code given below.

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

11- Consider the following statement:

- 1.51 Pegasi was the first exoplanet discovered orbiting a sun like star.
- 2.Dark matter affects the shape of the galaxy and galaxy structures.

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

12- Consider the following statements:

1. Cosmic Microwave Background Radiation is an evidence of expanding universe.
2. The COBE satellite of European Space Agency confirmed CMBR

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

13- Water has been discovered for the first time from which of the following exoplanets?

- (a) K2 - 18a
- (b) K1 - 18a
- (c) **K2 - 18b**
- (d) K3 - 18c

14- Consider the following statements about 5G technology

1. It has fast data transmission because of high latency.
2. It can transfer data at speed of 50 gigabit/second.

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**

15- Which of the following are correct about 'Biosimilar'?

1. They are chemically derived drugs which used to treat human beings.
2. They can be manufactured by any company even when a patent exists for the innovator drug.

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**

16- Consider the following statements.

1. Phages are viruses that kill bacteria.

2. Molecular scissors of bacteria are ineffective against foreign DNA that might host an antibiotic resistance gene.

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 can be associated with Poly Metallic Nodules?

- 1. Manganese
- 2. Nickel
- 3. Cobalt
- 4. Copper
- 5. Iron

Select the correct answer using the code given below:

- (a) 1, 2 and 4 only
- (b) 2, 3, 4 and 5 only
- (c) 1, 3, 4 and 5 only
- (d) 1, 2, 3, 4 and 5**

18- With respect to HT BT Cotton, which of the following statements is/are correct?

- 1. It is also known as BG II
- 2. It helps to make the crop tolerant herbicide.
- 3. It has been approved by Genetic Engineering Appraisal committee

Which of the statement/s given above is/are correct?

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

19- Consider the following

- 1) Photosynthesis
- 2) Respiration
- 3) Decay of organic matter
- 4) Volcanic action

Which of the above add carbon dioxide to the carbon cycle on earth ?

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

20- Which one of the following types of waves are used in night vision apparatus ?

- a) Radio waves
- b) Microwaves
- c) Infrared waves**
- d) None of these

21- Pariyojana (PMBJP), consider the following statements:

- 1. It aims to extend the coverage of branded medicines to reduce the out of pocket expenditure on medicines.
- 2. The scheme was launched by the Ministry of Health and Family Welfare.

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. Which of the following states come under India's core cold wave zone?

- 1. Punjab
- 2. Rajasthan

3. New Delhi

4. Kerala

Select the correct answer using the code given below:

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

23. With reference to Central Vista Redevelopment Project, consider the following statements:

1. The project envisages construction of a new Parliament and Secretariat in Delhi.
2. It is proposed by the Union Ministry of Parliamentary Affairs.

Which of the above statements is/ are correct?

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

24. With reference to the National Monsoon Mission, consider the following statements:

1. It was launched to develop a dynamic monsoon prediction system.
2. It was launched by the Ministry of Earth Sciences in 2012.

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. With reference to Luhri Stage-I Hydro Electric Project, consider the following statements:

- 1-It is being constructed on the Ravi river.
2. It is being implemented on a Build-Own-OperateMaintain basis.

Which of the statements given above is/are correct?

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

### **ANSWER SHEET**

1	<b>C</b>	10	<b>D</b>	19	<b>C</b>
2	<b>C</b>	11	<b>C</b>	20	<b>C</b>
3	<b>B</b>	12	<b>A</b>	21	<b>D</b>
4	<b>A</b>	13	<b>C</b>	22	<b>B</b>
5	<b>B</b>	14	<b>D</b>	23	<b>A</b>
6	<b>C</b>	15	<b>D</b>	24	<b>C</b>
7	<b>B</b>	16	<b>A</b>	25	<b>B</b>

8	<b>C</b>	17	<b>D</b>
9	<b>A</b>	18	<b>B</b>