

ENVIRONMENT UPSC PRE 2019

1. In the context of which of the following do some scientists suggest the use of cirrus cloud thinning technique and the injection of sulphate aerosol into stratosphere?

- (a) Creating the artificial rains in some regions
- (b) Reducing the frequency and intensity of tropical cyclones
- (c) Reducing the adverse effects of solar wind on the Earth
- (d) Reducing the global warming

ANSWER: (D)

2. In the context of which one of the following are the terms 'pyrolysis and plasma gasification' mentioned?

- (a) Extraction of rare earth elements
- (b) Natural gas extraction technologies
- (c) Hydrogen fuel-based automobiles
- (d) Waste-to-energy technologies

ANSWER: (D)

3. Consider the following pairs:

<i>Wildlife</i>	<i>naturally found in</i>
1. Blue-finned Mahseer-	Cauvery river
2. Irrawaddy Dolphin-	Chambal River
3. Rusty-spotted cat-	Eastern ghats

Which one of the pair given above are correctly matched?

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

ANSWER: (c)

4. Why is there a great concern about the 'microbeads' that are released into environment?

- (a) They are considered harmful to marine ecosystem
- (b) They are considered to cause skin cancer to children.
- (c) They are small enough to be absorbed by crop plants in irrigated fields.
- (d) They are often found to be used as food adulterants.

ANSWER: (A)

5. Which of the following statements are correct about the deposits of "Methane hydrate"?

- 1. Global warming might trigger the release of methane gas from these deposits.
- 2. Large deposits of "Methane hydrate" are found in Arctic Tundra and under the seafloor.
- 3. Methane in atmosphere oxidized to carbon dioxide after a decade or two.

Select the correct answer using the code below.

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

ANSWER: (D)

6. Consider the following :

- 1. Carbon monoxide.
- 2. Methane
- 3. Ozone
- 4. Sulphur dioxide

Which of the above are released into atmosphere due to the burning of crop/biomass residue?

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

ANSWER: (D)

7. Consider the following States:

- 1. Chhattisgarh
- 2. Madhya Pradesh
- 3. Maharashtra
- 4. Odisha

With reference to the States mentioned above, in terms of percentage of forest cover to the total area of State which one of the following is the correct ascending order?

- (a) 2-3-1-4
- (b) 2-3-4-1
- (c) 3-2-4-1
- (d) 3-2-1-4

ANSWER: (C)

8. In India the use of carbofuran, methyl parathion, phorate and triazophos is viewed with apprehension.

These chemicals are used as:

- (a) pesticides in agriculture
- (b) preservatives in processed foods
- (c) fruit-ripening agents
- (d) moisturising agents in cosmetics

ANSWER: (a)

9. Consider the following statements:

1. Under Ramsar Convention, it is mandatory on the part of the Government of India to protect and conserve all the wetlands in the territory of India.
2. The Wetlands (Conservation and Management) Rules, 2010 were framed by the Government of India based on the recommendations of Ramsar Convention.
3. The Wetlands (Conservation and Management) Rules, 2010 also encompass the drainage area or catchment regions of the wetlands as determined by the authority.

Which of the statements given above is/are correct?

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

ANSWER: (c)

10. In the context of proposals to the use of hydrogen-enriched CNG (H-CNG) as fuel for buses in public transport, consider the following statements:

1. The main advantage of the use of H-CNG is the elimination of carbon monoxide emissions.
2. H-CNG; as fuel reduces carbon dioxide and hydrocarbon emissions.
3. Hydrogen up to one-fifth by volume can be blended with CNG as fuel for buses.
4. H-CNG makes it more expensive than CNG.

Which of the statements given above is/are correct?

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

ANSWER: (a)

11. Consider the following statements:

1. As per recent amendment to the Indian Forest Act, 1927, forest dwellers have the right to fell the bamboos grown on forest areas.
2. As per the Scheduled tribe and Other Traditional Forest dwellers (Recognition of Forest Right) Act, 2006, bamboo is a minor forest produce.
3. The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 allows ownership of minor forest produce to forest dwellers.

Which of the statements given above is/are correct?

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

ANSWER: (b)

12. As per the Solid waste Management Rules, 2016 in India, which one of the following statements is correct?

- (a) Waste generator has to segregate waste into five categories.
- (b) The Rules are applicable to notified urban local bodies, notified towns and all industrial townships only.
- (c) The Rules provide for exact and elaborate criteria for the identification of sites for landfills and waste processing facilities.
- (d) It is mandatory on the part of waste generator that the waste generated in one district cannot be moved to another district.

ANSWER: (c)

13. Consider the following statements: The Environment Protection Act, 1986 empowers the Government of India to:

1. State the requirement of public participation in the process of environmental protection, and the procedure and manner in which it is sought
2. Lay down the standards for emission or discharge of environmental pollutants from various sources

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

ANSWER: (d)

14. Consider the following statements:

1. As per law, the Compensatory Afforestation Fund Management and Planning Authority exists at both National and State levels.
2. People's participation is mandatory in the compensatory afforestation programmes carried out under the Compensatory Afforestation Fund Act, 2016.

Which of the statements given above is/ are correct?

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

ANSWER: (a)

15. In India, 'extended producer responsibility' was introduced . as an important feature m which of the following? .

- (a) The Bio-medical Waste (Management and Handling) Rules,1998
(b) The Recycled Plastic (Manufacturing and Usage) Rules, 1999
(c) The e-Waste (Management and Handling) Rules, 2011
(d) The Food Safety and Standard Regulations, 2011

ANSWER: (c)

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