

# ENVIRONMENTAL ISSUES

## ASSERTION & REASON:

- 1) Both A and R are true, and the R is the correct explanation to A
- 2) Both A and R are true but R is not the correct explanation to A
- 3) A is true but R is false
- 4) Both A and R are false.

**1. Assertion (A): Algal blooms are formed in nutrient less water.**

**Reason (R): Algal blooms in water turn it unfit for human consumption but cause enormous growth of fishes.**

- 1) Both A and R are true, and the R is the correct explanation to A
- 2) Both A and R are true but R is not the correct explanation to A
- 3) A is true but R is false
- 4) Both A and R are false.

Ans: 4

**2. A) A suspended particulate matter (SPM) is an important pollutant released by diesel vehicles.**

**R) Catalytic converters greatly reduce pollution caused by automobiles.**

- 1) Both A and R are true, and the R is the correct explanation to A
- 2) Both A and R are true but R is not the correct explanation to A
- 3) A is true but R is false
- 4) Both A and R are false

Ans: 2

**3. A) The concentration of methane in the atmosphere has more than doubled in the last 250 years.**

**R) Wetlands and rice fields are the major sources of methane.**

- 1) Both A and R are true, and the R is the correct explanation to A
- 2) Both A and R are true but R is not the correct explanation to A
- 3) A is true but R is false
- 4) Both A and R are false

Ans: 1

**4. A) Inhabitants close to very busy airports are likely to experience health hazards.**

**R) Sound level of jet aero planes usually exceeds 160 dB.**

- 1) Both A and R are true, and the R is the correct explanation to A
- 2) Both A and R are true but R is not the correct explanation to A
- 3) A is true but R is false
- 4) Both A and R are false

Ans: 2

5. **A) Methyl mercury is highly persistent pollutant that accumulates in food chains.**  
**R) Mercury pollution is responsible for minamata.**

- 1) Both A and R are true, and the R is the correct explanation to A
- 2) Both A and R are true but R is not the correct explanation to A
- 3) A is true but R is false
- 4) Both A and R are false

Ans: 2

6. **A) De-forestation is the main factor contributing the global warming.**  
**R) Besides CO<sub>2</sub>, the two other gases methane and CFCs are also included under green house gases.**

- 1) Both A and R are true, and the R is the correct explanation to A
- 2) Both A and R are true but R is not the correct explanation to A
- 3) A is true but R is false
- 4) Both A and R are false

Ans: 2

7. **A) Excess of nitrates in drinking water are more harmful to infants.**  
**R) Nitrates are responsible for the blue baby syndrome**

- 1) Both A and R are true, and the R is the correct explanation to A
- 2) Both A and R are true but R is not the correct explanation to A
- 3) A is true but R is false
- 4) Both A and R are false

Ans: 1

8. **A) UV radiation causes photo dissociation of ozone into O<sub>2</sub> and O thus causing damage to the stratospheric ozone layer.**

**R) Ozone hole is resulting in global warming and climate change.**

- 1) Both A and R are true, and the R is the correct explanation to A
- 2) Both A and R are true but R is not the correct explanation to A
- 3) A is true but R is false
- 4) Both A and R are false

9. **Increase in toxic concentration from one tropic level to another tropic level is known as**

- 1.. Ecological toxification
- 2.Bio magnification

- \*\*  
3.Bioconcentration  
4.Cytological effect

10. **Minamata disease is due to**

1. Arsenic into the atmosphere
- 2.Oil spill in water
3. Organic wastes in drinking water
- 4.Industrial waste with mercury in water. \*\*

11. **The following factor forms an index for measuring pollution load in the sewage**

1. Eutrophication
- 2.BOD\*\*
- 3.Hyacinth
- 4.Stenothermal animals

12. **The operators which are useful to burn wastes of hospitals**

1. Electrostatic precipitators
- 2.Cyconic separators
- 3.Incinerators\*\*
- 4.Filters

**13. Amendment for Air Act in India to add Noise as air pollutant taken in the year**

- 1.1981      2.1983      3.1987\*\*      4.1975

**14. Chief plant nutrients are**

1. Nitrates and phosphates\*\*      2.Sulphates & phosphates  
3. Nitrates & sulphates      4.Bicarbonates & sulphates

**15. Extremely potent pollutant is**

1. Pesticides    2.Insecticides      3.Nuclear waste\*\*      4.Carbon dioxide

**16. Snow blindness is caused by**

1. UV A      2.UV B\*\*      3.UV C      4.UV D

**17. Environment Protection Act is passed in the year**

- 1.1981      2.1986\*\*      3.1976      4.1992

**18. Terror of Bengal is**

1. Eichhornia crassipes \*\*      2.Pistia      3.Wolfia      4.Utricularia

**19. A lake near a village suffered heavy mortality of fishes within a few days. Consider the following reasons for this**

- (a) Lots of urea and phosphate fertilizer were used in the crops in the vicinity  
(b) The area was sprayed with DDT by an aircraft  
(c) The lake water turned green and stinky  
(d) Phytoplankton populations in the lake declined initially thereby greatly reducing photosynthesis

Which two of the above were the main causes of fish mortality in the lake?

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

**20. DDT residues are rapidly passed through food chain causing biomagnifications because DDT is:**

- (1) Moderately toxic      (2) Non-toxic to aquatic animals  
(3) Water soluble      (4) Liposoluble\*\*