

Class: XI
Subject: Biology
Topic: Environmental issues
No. of Questions: 25

- Q1. What are the various constituents of domestic sewage? Discuss the effects of sewage discharge on a river.
- Q2. List all the waste that you generate at home, school or during your trip to other places: could you very easily reduce? Which would be difficult or rather impossible to reduce?
- Q3. Why ozone hole forms over Antarctica? Who will enhanced ultraviolet radiation effect us?
- Q4. Discuss the role of women and communication in protection and conservation of forests.
- Q5. What initiatives were taken for reducing vehicular air pollution in Delhi? Has air quality improved in Delhi?
- Q6. What is PAN?
- Q7. What is eutrophication?
- Q8. Between amphibians and birds, which will be able to cope with global warming? Give reason.
- Q9. Why is the use of unleaded petrol recommended for motor vehicles equipped with catalytic converters?
- Q10. What is synergism?
- Q11. What is pyrolysis?
- Q12. Give advantages of CNG over petrol or diesel.
- Q13. DDT content in the lake water that supplies drinking water to nearby villages, is found to be 0.003 ppm. The king fishers of that area are reported to have 2 ppm of DDT. Why has the conc. increased in these birds? What harm will this cause to the bird population? Name the phenomenon.

- Q14. Explain accelerated eutrophication. Mention any two consequences of this phenomenon.
- Eutrophication leads to lowering of BOD in water body leading to death of aquatic life.
 - Nitrates from fertilizer and detergents contaminate drinking water leading to decrease in oxygen carrying capacity of haemoglobin in human beings.
- Q15. A crane had DDT level as 5 ppm in its body. What would happen to the population of such birds?
- Q16. During the secondary treatment of the primary effluent how does the significant decreases in BOD occur?
- Q17. Explain the cause of algal bloom in a water body. How does it affect an ecosystem?
- Q18. Mention the major cause of air pollution in metro cities. Write any three ways by which it can be reduced.
- Q19. What is particulate matter? How do particulate matters harm human health?
- Q20. What is photochemical smog? How does smog affect the biological world?
- Q21. Which of the following is a greenhouse gas ?
- Methane
 - Oxygen
 - Nitrogen
 - Hydrogen
- Q22. ____ is used to convert organic pollutants into water vapour and CO₂.
- Electrostatic precipitator
 - Flame combustion
 - Absorption
 - Wet-scrubber

Q23. ____ are used in electrostatic precipitators.

- a) Catalysts
- b) Absorbers
- c) Electrodes
- d) Chemicals

Q24. Biological oxygen demand of ____ is the least.

- a) sewage
- b) sea water
- c) pure water
- d) polluted water

Q25. Compounds of ____ cause Minamata disease.

- a) mercury
- b) cadmium
- c) cobalt
- d) fertilisers

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