

# Chapter 16

## ENVIRONMENTAL ISSUES

### ONE MARK QUESTIONS:

1. Define pollution. (K)
2. What are pollutants? (K)
3. Name the act passed by government of India to control environmental pollution. (K)
4. What is electrostatic precipitator? (K)
5. Mention the purpose for which scrubber is used in industries. (K)
6. Why lead should not be added to petrol that is used as fuel in modern automobiles? (A)
7. Name any one metal catalyst used in catalytic converters. (K)
8. What is noise? (K)
9. Expand CNG. (K)
10. "Compressed Natural Gas is advantageous over petrol or diesel". Justify with one reason. (A)
11. "Biochemical oxygen demand (BOD) is an index of water pollution". Justify with a reason. (A)
12. How do you estimate the amount of biodegradable organic matter in sewage water? (K)
13. Why is there a sharp decline in dissolved oxygen downstream a river from the point of sewage discharge? (A)
14. What is algal bloom? (K)
15. Define biomagnification. (K)
16. Why addition of wastes from agricultural operations to water bodies may cause excessive growth of algae? (A)
17. What is eutrophication? (K)
18. What is cultural eutrophication? (K)
19. Name the large masses of floating plants formed in the lake during eutrophication. (K)
20. Disposal of sewage into water without proper treatment may cause outbreak of serious diseases in humans. Give reason. (A)
21. What is ecological sanitation? (K)
22. How hospital wastes are disposed? (U)
23. Mention the role of incinerators in controlling pollution. (K)
24. What is e-waste? (K)
25. What is polyblend? (K)
26. Nuclear waste is extremely potent waste which can cause damage to organisms. Justify with a reason. (A)
27. What is greenhouse effect? (K)
28. Why does a traditional greenhouse warm up? (A)
29. What would be the average temperature of the earth's surface without greenhouse effect? (K)
30. What is global warming? (K)
31. Mention one effect of global warming? (K)
32. Why CO<sub>2</sub> is considered as a green house gas? (A)
33. Which part of the atmosphere has 'bad' ozone? (K)
34. Which part of the atmosphere has 'good' ozone? (K)
35. Name one chemical responsible for ozone layer depletion. (K)
36. What is 'ozone hole'? (K)

37. Mention the function of ozone layer in the stratosphere. (K)
38. Name the unit used for measurement of thickness of ozone in a column of air. (K)
39. What is snow blindness? (K)
40. What is the main goal of Montreal Protocol? (K)
41. Define deforestation. (K)
42. Define reforestation. (K)
43. In which part of India Jhum cultivation is practised? (K)
44. Name the award instituted by the Government of India for protection of wildlife. (K)

#### **TWO MARK QUESTIONS:**

1. Write any four effects of air pollution. (K)
2. Mention four effects of noise pollution in humans. (K)
3. Write any two preventive measures for noise pollution. (K)
4. Write any two preventive measures of air pollution. (K)
5. Name the gaseous pollutant that is removed by a scrubber. How is this pollutant removed by the scrubber? (U)
6. Write the harmful effects of particulate matter present in air on human health. (U)
7. How do catalytic converters help in controlling air pollution? (U)
8. "Compressed Natural Gas (CNG) is better than petrol or diesel". Justify with two reasons. (U)
9. List two causes of water pollution. (K)
10. List two effects of water pollution. (K)
11. Write the effects of DDT magnification in fish eating birds. (U)
12. What is algal bloom? Mention its effects. (K)
13. What is cultural or accelerated? Mention the two chief contaminants present in sewage, industrial and agricultural wastes which is responsible for this. (K)
14. Write the effect of thermal waste water on aquatic ecosystem. (K)
15. What is ecological sanitation? Mention its advantages. (K)
16. What is polyblend? Write the advantages of polyblend? (U)
17. Name any four green house gases. (K)
18. Write any two control measures of global warming. (A)
19. Ozone layer in the stratosphere becomes thinner due to the release of CFCs. Give s reason. (A)
20. Explain briefly the international efforts to prevent ozone layer depletion. (U)
21. List four causes of desertification. (K)
22. Mention the major causes for soil erosion. (K)
23. Differentiate deforestation and reforestation. (U)
24. Mention two causes of deforestation. (K)
25. Mention the percentage of forest cover recommended by the National Forest Policy (1988) for the plains and the hills. (K)
26. Write four consequences of deforestation. (K)

#### **THREE MARKS QUESTIONS:**

1. Draw a neat labeled diagram of scrubber. (S)
2. What is electrostatic precipitator? How are particulate matter removed by electrostatic precipitators? (U)
3. Draw a diagram of electrostatic precipitator. (S)

4. Write the measures taken by Delhi government to reduce the vehicular pollution. (K)
5. What is noise? Mention four effects of noise pollution in humans. (K)
6. List three causes of water pollution. (K)
7. List three effects of water pollution. (K)
8. What is biomagnification? How biomagnification of DDT affects fish-eating birds? (U)
9. Schematically represent biomagnification of DDT in an aquatic food chain. (S)
10. Write a note on e-wastes. (U)
11. Mention the effects of radioactive wastes in humans. How are these wastes disposed? (U)
12. Explain the mechanism by which thinning of ozone layer occurs. (U)
13. Name a chemical that causes ozone depletion in the stratosphere. Mention any two effects of ozone depletion in humans. (K)
14. List three effects of ozone depletion. (K)
15. What is desertification? Mention the causes for desertification. (K)
16. What is deforestation? Mention two causes of deforestation. (K)
17. What is deforestation? List two consequences of deforestation. (K)
18. Write a note on Jhum cultivation. (U)

#### **FIVE MARKS QUESTIONS:**

1. What is pollution? Mention the causes and preventive measures of air pollution. (U)
2. Write a brief account of functioning of electrostatic precipitator with a neat labeled diagram. (U)
3. Define eutrophication? Explain the stages involved in eutrophication. (U)
4. Explain the effects of water pollution. (U)
5. What measures, as an individual, would you take to reduce environmental pollution? (A)
6. How does greenhouse effect occur in nature? (U)
7. What is global warming? Explain effects of global warming and list the control measures to prevent global warming. (U)
8. Discuss the consequences of global warming and ozone layer depletion. (U)
9. Write the meaning of the following: (K)  
(a) Algal bloom (b) Biomagnification (c) Eutrophication (d) Polyblend (e) Greenhouse effect
10. What is integrated organic farming? Explain the organic farming technique practised by Ramesh Chandra Dagar. (U)
11. Describe the participation of people in the conservation of forests by taking Bishnoi community incident and Chipko movement as examples. Add a note on Joint Forest Management (JFM). (U)

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