

1181

061/21

Total Number of Questions : 32

Time : 3.00 Hours

Max. Marks : 200

1. What is meant by ecological refugees ? (2 Marks)
2. Write a short note on Bhopal tragedy. (2 Marks)
3. What is ecological footprint ? (2 Marks)
4. Write a short note on Ramsar convention. (2 Marks)
5. What is meant by Indian Eco mark ? (2 Marks)
6. Write down the ecological impacts of river valley projects in India. (4 Marks)
7. What are the impacts of exotic species on natural ecosystem ? (4 Marks)
8. Explain the reasons of man animal conflicts. (4 Marks)
9. Explain the impacts of Covid-19 on ecological conditions of the world. (4 Marks)
10. Explain GMOs and their environmental implications. (4 Marks)
11. Write down the major nuclear disasters occurred around the world. (5 Marks)
12. Explain the anthropogenic activities leading to extreme weather conditions. (5 Marks)
13. Explain the major environmental movements in India. (5 Marks)
14. Explain the applications of GIS in environmental management. (5 Marks)
15. Explain the physical and physiological effects of noise pollution. (5 Marks)
16. Explain the chemical reactions in the soil which influence the mobility and toxicity of pollutants. (5 Marks)
17. Explain single channel and 'Y' shaped energy flow models. (5 Marks)
18. Explain how a common man can think globally and act locally. (7 Marks)
19. Explain the water quality parameters and its Indian standards. (7 Marks)
20. Explain the methods for the disposal of high level radioactive wastes. (7 Marks)
21. Explain  $O_2$  and  $O_3$  chemistry, photochemical smog and photolytic cycle of  $NO_x$ . (7 Marks)
22. Explain the methods for the monitoring and control of air pollution. (7 Marks)

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23. Explain the major catastrophic geological hazards occurred in India. (10 Marks)
24. Explain the EIA procedure in India and briefly mention any five methods for EIA evaluation. (10 Marks)
25. Explain the role and powers of CPCB and SPCB. (10 Marks)
26. Explain the national efforts for environmental protection by law. (10 Marks)
27. Explain sustainable development, what are the challenges to meet sustainable development in India ? (10 Marks)
28. Explain the types of rivers and its drainage patterns. (10 Marks)
29. Explain the pesticide residues in food and their impacts on health. (10 Marks)
30. Explain why and how rain water is harvesting. (10 Marks)
31. Explain the significance of mangroves, mangrove species in India and its conservation measures. (10 Marks)
32. Explain the types of disasters, disaster management processes and disaster management cycle. (10 Marks)