

19. Narrate the environmental problems associated with dams and reservoirs
20. Explain the environmental impacts on marine environment due to oil spills and plastic debris.
-

S.No. 2836

P 16 ES 21

(For candidates admitted from 2016–2017 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2022

Environmental Science

ENVIRONMENTAL POLLUTION STUDIES

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Cumulus cloud
2. Ambient air sampling
3. Arsenicosis
4. Emerging contaminants
5. Synthetic pyrethroids
6. E-waste
7. Chernobyl nuclear disaster
8. WHO noise quality guidelines

9. Hypoxic or dead zones

10. Marine dumping.

PART B — ($5 \times 5 = 25$)

Answer ALL questions, choosing either (a) or (b).

11. (a) Differentiate between dry and moist adiabatic lapse rate.

Or

(b) Explain the mechanisms involved in the formation of photochemical smog.

12. (a) What is the difference between gaseous and particulate pollution of air?

Or

(b) What are the general characteristics of stack plumes?

13. (a) Explain the impact of synthetic organic compounds in lifestyle products on health.

Or

(b) How thermal pollution affects soil and aquatic environments?

14. (a) Comment on Refused Derived Fuel (RDF).

Or

(b) What are the different types of radioactive wastes? Explain.

15. (a) What are the impacts on noise pollution on health?

Or

(b) Outline the significance of Indian coastal zone and their economic resources.

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Describe the SAFAR monitoring network for Air Quality Monitoring in India.

17. Give an account on

(a) Oxygen demanding wastes and

(b) Eutrophication.

18. How modern agricultural practices influence on soil quality? Explain.