

19. (a) Briefly describe the Ramsar sites in India.

Or

(b) Comment on the significance of "Project elephant".

20. (a) Define radioactive pollution and the major pollutants.

Or

(b) Write notes on the environmental issues related to thermal pollution.

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

21. Discuss the environmental issues related to water pollution.

22. Write an essay on Bhopal gas tragedy and Chernobyl disaster.

23. Describe the sources of solid wastes and their management.

24. Discuss the various measures of conserving biodiversity.

25. Write about the causes and impacts of noise pollution.

S.No. 6474

P 22 ESNME 2

(For candidates admitted from 2022–2023 onwards)

P.G. DEGREE EXAMINATION, NOVEMBER 2023.

Environmental Science — Non Major Elective

CONTEMPORARY ENVIRONMENTAL ISSUES

Time : Three hours

Maximum : 75 marks

PART A — (20 Marks)

Answer ALL questions.

I. (A) Multiple Choice Questions. ($5 \times 1 = 5$)

1. What is Exxon Valdez?

- | | |
|-----------------|-----------------|
| (a) Oil Tanker | (b) Cruise ship |
| (c) Battle Ship | (d) Submarine |

2. Which of the following is a greenhouse gas?

- | | |
|--------------------|------------------|
| (a) Carbon dioxide | (b) Nitric Oxide |
| (c) Nitrous Oxide | (d) Ammonia |

3. Which of the following area has the lowest chance of producing a biomedical waste?

- | | |
|------------------|------------------------|
| (a) Hospitals | (b) Clinics |
| (c) Laboratories | (d) Agricultural Lands |

4. Which is the first largest Ramsar site?
(a) Chilika Lake (b) Renuka Wetland
(c) Vembanad Kol (d) Sudarshan Lake
5. What is the protection and conservation of species in their natural habitat called?
(a) *In-situ* conservation
(b) *Ex-situ* conservation
(c) Off-site conservation
(d) No conservation

(B) Fill in the blanks (5 × 1 = 5)

6. Torrey Canon got collided in the year _____
7. _____ refers to waste treatment that involves combustion of organic substances contained in waste material.
8. Elephant census is conducted once in _____ years under the aegis of Project Elephant.
9. Appiko movement was led by _____
10. _____ (waste) is an extremely potent pollutant.

- II. Answer ALL the questions (5 × 2 = 10)
11. Define eutrophication.
12. What are the main causes of ozone depletion?
13. Comment on E-waste.
14. What is meant by Chipko movement?
15. How will you define noise?

PART B — (5 × 5 = 25)

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

16. (a) Explain Bio magnification with examples.
Or
(b) Give an account on fresh water and marine pollutants.
17. (a) Outline the methods of controlling air pollution.
Or
(b) Write the concept of greenhouse effect and explain its impacts.
18. (a) List down the major biomedical wastes and their importance.
Or
(b) Comment on Love canal episode.