

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2025
(Regular/Improvement/Supplementary)

ZOOLOGY
FZOL4E11 - ENVIRONMENTAL BIOLOGY-II: ENVIRONMENTAL POLLUTION

Time: 3 Hours**Maximum Weightage: 30****Part A: Answer any *four* questions. Each carries *two* weightage.**

1. List out the problems of solid waste disposal.
2. Write notes on biological magnification.
3. What are the methods of nuclear waste disposal?
4. Comment on Love Canal episode.
5. What are the water quality standards?
6. What is eutrophication? Mention its effects.
7. Write notes on scrubbers.

(4 × 2 = 8 weightage)

Part B: Answer any *four* questions. Each carries *three* weightage.

8. Prepare a note on compounds of carbon as a primary air pollutant.
9. Give an account on the generation of biogas production.
10. Briefly discuss photochemical smog.
11. Explain BOD.
12. Give an account on the carcinogens present in food.
13. Discuss the methods of sampling and monitoring of ozone.
14. Explain the methods of recycling of solid wastes.

(4 × 3 = 12 weightage)

Part C: Answer any *two* questions. Each carries *five* weightage.

15. Explain the sources, effects and abatement of noise pollution.
16. Prepare an essay on sewage and sewage treatment.
17. Discuss the design and operation of different biological treatment systems.
18. Give a detailed account on the effects of air pollution.

(2 × 5 = 10 weightage)