

M. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2026
SEMESTER 4 : ZOOLOGY
COURSE : 24P4ZOOT14 : ENVIRONMENTAL POLLUTION AND TOXICOLOGY
(For Regular 2024 Admission)

Time : Three Hours

Max. Weights: 30

PART A**Answer any 8 questions****Weight: 1**

1. Define sewage (E)
2. Comment on chronic and acute Toxicity. (U)
3. What are physical indicators to assess soil quality? (U)
4. Mention the control measures of thermal pollution (U)
5. What happens when the radiation level exceeds 100 rem in humans? (E)
6. What is activated sludge process? (U)
7. Write a note on secondary air pollutants. (Cr)
8. Comment on suspended particulate pollutants of air (An)
9. How is the moisture content of waste measured? (A)
10. Mention the factors that influence the biological effects of internalized radionuclides. (R)

(1 x 8 = 8)**PART B****Answer any 6 questions****Weights: 2**

11. Comment on the effects of thermal pollution ? (An)
12. Graphically represent the relationship between toxicant dose and response of populations. (An)
13. Briefly explain sources of air pollution (U)
14. Write notes on sources of soil pollution (U)
15. Elaborate on water quality parameters (R)
16. Discuss briefly the important sources of radioactive pollution. (E)
17. What are the responsibilities of the government regarding e-waste management? (R)
18. Briefly explain the role and purpose of Bioassays. (U)

(2 x 6 = 12)**PART C****Answer any 2 questions****Weights: 5**

19. Write an essay on better management strategies of solid waste management with any one model case studies . (A)
20. Explain various types of polluting gases and their significance on health. (U)
21. Discuss how biotransformation of xenobiotics takes place in human body. (E)
22. Elaborate the various steps involved in the Sewage water treatment. (An)

(5 x 2 = 10)

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
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Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;