No. of Printed Pages : 03 **Roll No. .....**

51743

M.Sc. EXAMINATION, 2026

(Fourth Semester)

ZOOLOGY

(Re-appear Only)

Environmental Toxicology

Time : 3 *Hours*] [*Maximum Marks :* 80

Before answering the question-paper, candidates must ensure that they have been supplied with correct and complete question-paper. No complaint, in this regard will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Answer the following in brief : **8×2=16**

(a) Define classical toxicology.

(b) Name two carcinogens.

(c) What is toxicant storage ?

(d) Define hepatotoxicity.

(e) What is solid waste ?

(f) Define systematic toxicology.

(g) What is neurotoxicity ?

(h) Petrochemicals.

Unit I

2. (a) Explain environmental toxicity and its emergence. **8**

(b) Differentiate toxicology and environmental toxicology. **8**

3. (a) Describe pesticides and solvents as toxic agents. **8**

(b) Explain biological toxins and poisons. **8**

Unit II

4. (a) Explain routes of toxicant uptake. **8**

(b) Discuss biotransformation of toxicants. **8**

5. (a) Define xenobiotics and explain their types. **8**

(b) Describe hematotoxicity and hepatotoxicity. **8**

Unit III

6. (a) Explain food additives as pollutants. **8**

(b) Describe air pollutants and soil pollutants. **8**

7. (a) Explain effects of nitrates on ecosystem. **8**

(b) Discuss source reduction and recycling of wastes. **8**

Unit IV

8. (a) Explain significance of bioremediation in pollution control. **8**

(b) Discuss toxicological risk assessment with suitable example. **8**

9. (a) Explain genotoxicology and its prevention. **8**

(b) Write note on human toxicology. **8**

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