

45102

M.Sc. DEGREE EXAMINATION, APRIL 2015.

FOURTH SEMESTER

Zoology

Paper II — TOXICOLOGY AND PHARMACOLOGY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Teratogens.
2. Excretion of toxicants.
3. Lead toxicity.
4. Radiation hazards.
5. Anesthetics.
6. Opium.
7. Histamines.
8. Scope of pharmacology.

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Distinguish between bioaccumulation, biomagnifications and biotransformation of toxicants in non target animals.

Or

10. Discuss the scope of toxicology in detail.

11. Classify pesticides giving suitable examples.

Or

12. What is LC50 and LD50? How do you evaluate these parameters for any given toxicant?

13. Give an account on principles of pharmacology

Or

14. Discuss the historical development of pharmacology.

15. Explain the response of central nervous system to alcohols.

Or

16. Write an essay on the effects of antipyretics.

