

A-0112

Total Pages : 3

Roll No.

MZO-601

M.Sc. ZOOLOGY (MSCZO)

(Toxicology-I, Fundamental of Insecticide Toxicology)

3rd Semester Examination, Session December 2024

Time : 2:00 Hrs.

Max. Marks : 35

Note :- This paper is of Thirty Five (35) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

Section-A

Long Answer Type Questions 2×9½=19

Note :- Section 'A' contains Five (05) Long-answer type questions of Nine and Half (9½) marks each. Learners are required to answer any two (02) questions only.

1. Discuss in brief the impact of pesticides on human health.
2. Describe the mode of action of Organophosphorus insecticides.
3. Explain the various methods used in acute toxicity tests.
4. What is toxicity testing ? Describe the various in vivo test used in chronic toxicity testing.
5. How is DDT metabolised in insects ? Explain using the chemical structures.

Section–B

Short Answer Type Questions 4×4=16

Note :- Section 'B' contains Eight (08) Short-answer type questions of Fourth (04) marks each. Learners are required to answer any *four* (04) questions only.

1. Write a short note on organophosphates.
2. Define toxicology, toxinology, forensic toxicology and poisons.
3. Discuss the various advantages and disadvantages of granular insecticides.

4. Write short notes on any *two* of the following :
 - (a) Probirt analysis
 - (b) Ames test
 - (c) DDT
5. Give a short note on the acetylcholine synthesization.
6. What do you understand by the formulation of an insecticide ?
7. Write about the different inorganic insecticides that were used earlier.
8. Explain the impulse transmission.
