

A-926

Total Pages : 3

Roll No. -----

MZO-601

Toxicology-I, Fundamental of Insecticide

Toxicology

M.Sc. Zoology (MSCZO)

3rd Semester Examination 2024 (June)

Time: 2:00 hrs

Max. Marks: 35

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

P.T.O.

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Section-A (Long-Answer-Type Questions)

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.

[2x9½=19]

- Q.1. What are the various acute tests for assessing toxicity of poisons?
- Q.2. Explain the cyclodiene insecticides with example.
- Q.3. Write the short note on any two:
- DDT and pyrethroids
 - Effects of nicotine on mammals.
 - Insecticide Toxicity.
 - Neuron structure
- Q.4. Describe in detail as to how the nerve impulse is transmitted in the axon.
- Q.5. Explain in detail the toxicity of nicotine to mammals and insects and explain its mode of action.

Section-B (Short-Answer-Type Questions)

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

[4x4=16]

- Q.1. Explain the Poison Baits.
- Q.2. How do the physical agents affect the insect cuticle?
- Q.3. What is a Chronic Toxicity Testing procedure?
- Q.4. Explain insecticides and octopamine receptors.
- Q.5. Write the short note on:
 - a. Axon
 - b. Neurotransmitters
- Q.6. Explain the Impulse transmission.
- Q.7. Explain the symptoms of toxicity in mammals.
- Q.8. What procedures should be adopted to treat the OP poisoning?
