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Total Pages : 3

Roll No.

MZO-601

Toxicology-I Fundamental of Insecticide Toxicology

M.Sc. Zoology (MSCZO-20)

3rd Semester Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 40

Note : This paper is of Forty (40) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Ten (10) marks each. Learners are required to answer any Two (02) questions only.

(2×10=20)

1. Write the short note on any two :
 - (a) DDT and pyrethroids.
 - (b) Effects of nicotine on mammals.

- (c) Insecticide Toxicity.
 - (d) Neuron structure.
2. Explain the cyclodiene insecticides with example.
 3. Describe the Wettable powders (WP) and Emulsifiable concentrates (EC).
 4. Explain the Concept of Dose-Response and using Dose - Response Curves.
 5. Write the short note on any two :
 - (a) Axon.
 - (b) Neurotransmitters.
 - (c) Fumigants.
 - (d) Lindane.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Five (05) marks each. Learners are required to answer any Four (04) questions only. (4×5=20)

1. Explain the water-Soluble Powders (SP).
2. Explain the Poison Baits.

3. What are inorganic insecticides?
 4. What is a Chronic Toxicity Testing procedure?
 5. Explain the Haemolymph transports theory.
 6. Explain the Impulse transmission.
 7. Describe the Synaptic transmission.
 8. Explain the metabolism of carbamates.
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