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Total Pages : 3

Roll No.

MZO-601

Toxicology-I Fundamental of Insecticide Toxicology

M.Sc. Zoology (MSCZO)

3rd Semester, Examination, 2023 (June)

Time : 2 Hours]

[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.

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.

(2×9½=19)

1. Describe the mechanism of action of DDT. Write consequences of DDT poisoning.

2. Write a full detail on composition and biological activity of botanical insecticide "Neem" and their mode of action and toxicity.
3. Discuss in brief the impact of pesticides on human health.
4. Write an essay on Carbamate insecticides.
5. Explain the effects of Insecticide on the nervous system.

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. (4×4=16)

1. Give an account of extra-microsomal metabolism of insecticides.
2. Explain the mode of action of Nicotinoids.
3. Write a short note on Organophosphates.
4. Define acute and chronic poisoning.
5. Explain the process of thin layer chromatography.

6. Define toxicology, toxinology, forensic toxicology and poisons.
 7. Explain the Neurotransmitters.
 8. Write a short note on toxicity.
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