

A-940

Total Pages : 3

Roll No.

ZO-553

TOXICOLOGY

M.Sc. Zoology (MSCZO)

2nd Year Examination, 2024 (June)

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) 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 2×19=38

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

A-940/ZO-553

(1)

P.T.O.

1. What is Insecticides ? Describe their function and classification.
2. Explain the photodegradation of pyrethrins.
3. What is microsomal mono-oxygenases? Explain their mode of action and affecting factors.
4. Explain the principal of Thin Layer Chromatography (TLC).
5. Write a short note on the following :
 - (a) DDT and pyrethroids
 - (b) Ames test

Section–B

Short Answer Type Questions 4×8=32

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

1. How does the insect develop resistance against insecticides ?
2. What do you understand by Probit Analysis ?
3. Write the various factors affecting the penetration of cuticles.

4. What do you understand by the Type I and Type II Pyrethroids ?
5. Describe the sex pheromones of insect.
6. Explain the Neurotransmitters.
7. Write a short note on organophosphate.
8. What do you understand by cytochrome P-450 ?
