

A-941

Total Pages : 3

Roll No.

ZO-554(A)

APPLIED ENTOMOLOGY

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.

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P.T.O.

1. Describe the various types of mouthparts found in insects.
2. Write an account of the various organs of excretion in insects.
3. Describe the nature and symptoms of damage and the life cycle of red headed hairy caterpillar.
4. Discuss the nature and symptoms of damage and life cycle of fruit flies attacking cucurbites.
5. Write a note on the occurrence, transmission, life cycle and control of vectors of malaria.

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. Discuss the important characters of the order Hymenoptera and discuss the importance of this order.
2. What modifications are found in the antennae of the insects ?
3. Describe atypical integument of an insect.

4. Write a short note on diapause.
5. What do you understand by the concepts of IPM ?
6. Describe a typical plant parasitic nematode.
7. How is the honeybee colony organized ?
8. How shellac is prepared ?
