

A-937

Total Pages : 3

Roll No.

MSCZO-610

**ENTOMOLOGY (SYSTEMATIC AND
APPLIED ENTOMOLOGY)**

M.Sc. Zoology (MSCZO)

4th Semester 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-937/MSCZO-610 (1)

P.T.O.

1. Describe the important characters of Arthropoda and discuss the advantages and disadvantages of an exoskeleton.
2. Describe the nature and symptoms of damage and the life cycle of red headed hairy caterpillar.
3. Discuss two important lepidopteran pests associated with the stored food grains.
4. What are the curative methods suggested for managing the stored grain pests.
5. Differentiate the damage caused by sorghum shoot fly and sorghum stem borer.

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. Write a note on the occurrence, transmission, lifecycle and control of vectors of malaria.
2. What are the different functions performed by termite workers ?
3. Write in detail the life history of lac insect.
4. How shellac is prepared ?

5. Give a detailed account of the natural enemies of lac insect ?
6. Short note :
 - (a) Swarming
 - (b) Bee venom
7. Short note :
 - (a) Bacterial diseases
 - (b) White muscardine
8. Short note :
 - (a) Rodents
 - (b) Nematodes
