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Total Pages : 3

Roll No.

MSCZO-610

Entomology (Systematic and Applied Entomology)

M.Sc. Zoology (MSCZO)

4th Semester Examination, 2023 (Dec.)

Time : 2 Hours]

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)

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.

(2×19=38)

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)

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. (4×8=32)

1. Write a note on the occurrence, transmission, lifecycle and control of vectors of malaria.
2. What are the different function 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. Write short note on following :
 - (a) Swarming.
 - (b) Bee venom.
 7. Write short note on following :
 - (a) Bacterial diseases.
 - (b) White muscardine.
 8. Write short note on following :
 - (a) Rodents.
 - (b) Nematodes.
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