

**A-0088**

Total Pages : 3

Roll No. ....

**MSCZO-610**

**M.Sc. Zoology (MSCZO)**

**[Entomology (Systematic and Applied Entomology)]**

Examination, June 2025

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.

1. Enlist major insect pests of rice and their characteristic damaging symptoms.
2. Describe the damaging symptoms of polyphagous pest, *Helicoverpa armigera* in different host crop plant species.
3. Describe habit and habitat along with damaging symptoms of different furniture beetle species.
4. Describe biological control practices that can be used to control insect pests.
5. Discuss various pest control techniques other than natural control.

## **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. What is collection and Preservation Method of insects ?
2. What are pheromones ? What are its different types ?
3. What is the parental care ? Give its different forms and benefits.

4. Write short note formulation and insecticide toxicity.
5. Enlist the economically important carpet beetle species.
6. What is lac ?
7. Write the economics of Lac production in India.
8. Who can you tell the difference between a worker bee, drone and queen bee ?

\*\*\*\*\*