

A-0089

Total Pages : 3

Roll No.

MSCZO-611

M.Sc. Zoology (MSCZO)

**[Entomology (Morphology, Physiology &
Development Biology)]**

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.

- Q. 1. Describe the various types of mouth parts found in insects.
- Q. 2. Explain different types of insect legs.
- Q. 3. Describe the food feeding mechanism of insects.
- Q. 4. Describe the physiology of excretion in insect.
- Q. 5. Discuss on the synaptic nerve transmission in insects.

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.

- Q. 1. Explain the bioluminescence in insects.
- Q. 2. Explain the oviposition in insects ?
- Q. 3. What are the different stages of embryonic development ?
- Q. 4. Write a short note on haemopoietic organ of insect.
- Q. 5. Define detoxification and its mechanism in insect.

- Q. 6. Write a short note on the Flight Mechanism of insect.
- Q. 7. Briefly discuss on the Chemoreceptor and Mechanoreceptor.
- Q. 8. Make brief note on the Special Modes of Reproduction in Insects.
