

A-1078

Total Pages : 3

Roll No.

MSCZO-611

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

M.Sc. Zoology (MSCZO)

Examination 2026 (Feb.)

Time: 02:00 hrs

Max. Marks: 70

Note : This paper is of Seventy (70) marks divided into two (02) Section 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.

(2x19=38)

P.T.O

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1. Describe the physiology of Circulation in Insect?
2. Describe different types of insect wings?
3. Describe the food feeding mechanism in insects.
4. Explain the different modification in nervous system of terrestrial and aquatic insects.
5. Describe structure and functions of different types of sensory organs in insects?

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.

(4x8=32)

1. Briefly discuss various sound producing organs of insects?
2. Explain about insect egg structure with suitable diagram.
3. Explain the different types of insect wings.
4. Write the composition and function of haemolymph.
5. Write a short note on salt water insects?

6. Briefly explain the autonomous nervous system in insects?
7. Explain bioluminescence in insects?
8. Write a short note on respiratory pigments?
