

A-0074

Total Pages : 3

Roll No.

MSCZO-501

M.Sc. Zoology (MSCZO)

(Invertebrates)

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. Give an account of central nervous system of insects.
2. Describe the coelomoducts of different groups of molluscs.
3. Describe the cercaria larva of helminthes.
4. Write a note on mode of locomotion in protozoan.
5. With suitable examples, describe how the fresh water organisms maintain the water and ionic content of the body ?

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. Describe the function of tube feet in hydrostatic movement of echinoderms.
2. Give a brief account on structure of cilia.
3. Write short notes on the following :
 - (a) Pseudopodia
 - (b) Radial symmetry
 - (c) Mode of coelom formation
 - (d) Deuterostomia

4. Write a note on gill chamber of prawn.
5. Differentiate between protonephridia and metanephridia.
6. Describe the various components of nervous system in echinoderms.
7. Describe the glochidium larva of Mollusca.
8. Write short notes on the following :
 - (a) Protostomes
 - (b) Rotifer
