

A-0096

Total Pages : 3

Roll No.

MSCZO-501

M.Sc. ZOOLOGY (MSCZO)

(Invertebrates)

1st Semester Examination, Session December 2024

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. Write a note on different types of pseudopodia on the basis of shape, size, and structure.
2. Describe the different types of excretory organs found in Arthropods.
3. Explain the coelomoducts of different group of molluscs.
4. Describe the larvae of phylum Echinodermata.
5. How the physiology of an animal does related to the type of its excretory product ? Explain with examples.

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. Differentiate between schizocoelomate and enterocoelomate.
2. Give a brief account of the different respiratory organs found in invertebrates.
3. Write short notes on the following :
 - (a) Respiratory pigments found in invertebrates
 - (b) Protonephridia
 - (c) Osmoregulation
 - (d) Nauplius larvae

4. Write a note on filter feeder.
5. Write a note on feeding mechanism and digestion in polychaetes.
6. Write a note on locomotory organelles in protozoan.
7. Write a note on coelom in annelids. Describe the significance of coelom.
8. Write short notes on the following :
 - (a) Deuterostomes
 - (b) Bipinnaria larva
