

A-235

Total Pages : 3

Roll No.

MSCZO-501

M.Sc. ZOOLOGY (MSCZO)

(Invertebrates)

1st Semester Examination, 2024 (June)

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 components of nervous system in echinoderms.
- Q. 2. Describe the coelomoducts of different group of mollusks.
- Q. 3. Describe the dual mode of respiration in Pila.
- Q. 4. Describe the feeding patterns in lower metazoans.
- Q. 5. Explain the difference between protostomes and deuterostomes.

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. Differentiate between protonephridia and metanephridia.
- Q. 2. Explain the Bipinnaria Larva.
- Q. 3. Write a short note on different type of pseudopodia.
- Q. 4. Explain the nauplius larva of Arthropoda.

- Q. 5. Write a short note on feedings mechanism and digestion in star fish.
- Q. 6. Write a short note on Rhynchocoela.
- Q. 7. Write a short note on Gastrotricha.
- Q. 8. Write a short note on book lungs.
