



B.Sc. V Semester Degree Examination, April/May - 2024

ZOOLOGY

Z-5.1 : Non-Chordates and Economic Zoology

(NEP)

Time : 2 Hours

Maximum Marks : 60

Note : (i) Answer **all** sections.

(ii) Draw the labelled diagrams wherever necessary.

SECTION - A

Answer the following sub-questions in **one word** or **one sentence** each. **10x1=10**

1. (a) Define saprozoic nutrition.
- (b) What is Encystation ?
- (c) In which phylum do you find mesenchyme ?
- (d) What do you mean by pseudocoelom ?
- (e) What are the locomotory organs in phylum Annelida ?
- (f) Define tergum.
- (g) What is the function of mantle ?
- (h) What is Aristotles lantern ?
- (i) What is the scientific name of sugarcane leaf hopper ?
- (j) Define vermiculture.

SECTION - B

Answer **any four** of the following questions.

4x5=20

2. Briefly explain the morphology of paramecium with a neat labelled diagram.
3. Write the salient features of ctenophora.
4. Give the brief account of the second maxillipede of prawn.



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5. Explain the unique characteristics of the phylum Arthropoda.
6. Write a short note on water vascular system.
7. Give an account of Rhodents as pests and its control measures.

SECTION - C

Answer **any three** of the following questions.

3x10=30

8. Write the general characteristics and classification of the phylum porifera with examples.
9. Explain the Reproductive system of Hirudinaria with a neat labelled diagram.
10. Describe the nervous system of pila globosa with labelled diagram.
11. Give the detail account of the life cycle of mosquitoes and add a note on its control measures.
12. Explain the external features of Obelia with the help of labelled diagram.

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