

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2024

(Regular/Improvement/Supplementary)

ZOOLOGY

GZOL2B02T: ANIMAL DIVERSITY: NON CHORDATA PART - II

Time: 2 Hours

Maximum Marks: 60

SECTION A: Answer the following questions. Each carries two marks.**(Ceiling 20 Marks)**

1. Give an account on subclass Oligocheta.
2. List out the annelidan features of *Peripatus*.
3. What is radula?
4. Write four salient features of phylum Onychophora.
5. Write note on *Nautilus*.
6. Write down the features of *Antedon*.
7. List a few affinities of *Balanoglossus*.
8. Give an account on edible molluscs.
9. What is Aristotles's lantern?
10. Write note on the features of *Phoronis*.
11. Give an account on *Arenicola*.
12. List four characteristic features of Class Hirudinea.

SECTION B: Answer the following questions. Each carries five marks.**(Ceiling 30 Marks)**

13. Write note on Heteronereis stage. Mention Trochophore larva.
14. With suitable diagrams, explain cephalic appendages of penaeus.
15. Write notes on the salient features of phylum Echinodermata.
16. Write notes on *Belostoma* and Southern Bird Wing.
17. Explain the features of phylum Ectoprocta.
18. Write notes on class Merostomata with example.
19. With a suitable diagram, explain the structure of parapodium. Add a note on its functions.

SECTION C: Answer any one question. Each carries ten marks.

20. Explain the nervous system of *Penaeus*.
21. Give an account on the digestive system of *Pila*.

(1 x 10 = 10 Marks)