

B. Sc. DEGREE END SEMESTER EXAMINATION : NOVEMBER 2023**SEMESTER 1 : COMPLEMENTARY ZOOLOGY FOR BOTANY****COURSE : 19U1CPZOO1 : ANIMAL DIVERSITY – NON CHORDATA***(For Regular 2023 Admission and Improvement/Supplementary 2022/2021/2020/2019 Admissions)*

Time : Three Hours

Max. Marks: 60

PART A**Answer All (1 mark each)**

1. What is nephridia?
2. What are paramylum bodies?
3. What is echinoderm regeneration?
4. Name a mesozoan parasite.
5. Comment on shizocoelus phyla.
6. What is the purpose of Captacula in mollusc ?
7. What is branchiostegite?
8. Describe Zoea.

(1 x 8 = 8)**PART B****Answer any 6 (2 marks each)**

9. Write salient features of hemichordata.
10. Describe the unique cell wall of Bacillariophyta.
11. Explain mechanism of digestion in prawn.
12. How are mollusc economically important?
13. Describe Cucumaria.
14. Differentiate nauplius from metanauplius.
15. Mention any four salient features of phylum Platyhelminthes.
16. What is diatomaceous earth? Mention its significance.

(2 x 6 = 12)**PART C****Answer any 4 (4 marks each)**

17. Describe Polychaeta and Hirudinomorpha.
18. Write note on Holothuroids and asteroids.
19. Explain the salient features of Coelenterata. Classify up to classes with examples.
20. Describe reproductive organs in prawn.
21. Describe Monoplacophora and Polyplacophora.
22. Give a brief account on 5 kingdom classification.

(4 x 4 = 16)**PART D****Answer any 2 (12 marks each)**

23. Give an account on different classess of Echinoderms and its salient features.
24. Explain the life history of Plasmodium as a digenetic parasite.
25. Give an account on the salient features and classification of mollusca.
26. Describe appendages of Penaeus.

(12 x 2 = 24)