

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - UG)

CC19UZOL1B01 - ANIMAL DIVERSITY - NON CHORDATA PART - I

(Zoology - Core Course)

(2019 to 2023 Admissions - Supplementary)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 2

Part A (Short answer questions)Answer ***all*** questions. Each question carries 2 marks.

1. Differentiate between synonyms and homonyms.
2. Define metamerism.
3. Distinguish between schizocoelic coelom and enterocoelic coelom with examples.
4. Write the salient features of Phylum Rhizopoda.
5. Comment on the biological relationship between termites and Trichonympha.
6. What are trichocysts and what is its function?
7. What are the features of Rhopalura?
8. What is embolic gastrulation?
9. What is dissogony? Where it is seen?
10. What is hydranth?
11. What are flame cells?
12. What is enterobiasis?

(Ceiling: 20 Marks)**Part B (Short essay questions - Paragraph)**Answer ***all*** questions. Each question carries 5 marks.

13. Give an account on five kingdom classification with merits and demerits.
14. Explain the structure of contractile vacuoles and nuclear apparatus in Paramecium.
15. Enlist the salient feature of Class Calcarea. Give a brief description of an example species you studied.
16. Enlist the salient feature of Class Anthozoa. Give examples.

17. What are the salient features of phylum Gastrotricha?
18. What are the major parasitic adaptations of flukes?
19. Write a brief note on hookworm.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any ***one*** question. The question carries 10 marks.

20. Write a short essay on the newer trends in systematics.
21. Enlist the differences between the polyp and Medusa of Obelia. Illustrate the structure of Obelia medusae and polyp.

(1 × 10 = 10 Marks)
