

23U118

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2023

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U ZOL1 B01 - ANIMAL DIVERSITY - NON CHORDATA - I

(Zoology - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 2

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Distinguish between taxonomy and systematics.
2. What is DNA barcoding?
3. Distinguish between schizocoelic coelom and enterocoelic coelom with examples.
4. Write the salient features of Phylum Dinoflagellata.
5. What is Intracorporeal phase of Plasmodium?
6. Mention four major features of Demospongiae.
7. What are the unique features of Pleurobranchia?
8. Write a brief note on Zoanthus.
9. What is mastax?
10. Mention four major characteristics of Platyhelminths.
11. What are Rhabdites?
12. What is meant by Eutely?

(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. Write note on symmetry and explain various types with examples.
15. Explain the structure of contractile vacuoles and nuclear apparatus in Paramecium.
16. Explain the features of Rhopalura and its life cycle.

17. With a labelled diagram, describe the Amphiblastula larva.
18. Give a detailed structure and functioning of Cnidarians Cnidocytes.
19. Write a brief note on pinworm.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe the ultrastructure of infraciliary apparatus and cilium in Paramecium.
21. Enlist the differences between the polyp and Medusa of Obelia. Illustrate the structure of Obelia medusae and polyp.

(1 × 10 = 10 Marks)
