

20U116

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Name:

Reg.No:

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U ZOL1 B01 - ANIMAL DIVERSITY -NON CHORDATA -1

(Zoology - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 2

Part A (Short answer questions)

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

1. Explain eight kingdom classification. Who proposed it?
2. Differentiate between Mesozoa and Parazoa with examples.
3. Distinguish between Protostomia and Deuterostomia.
4. Mention the zoological importance of Noctiluca.
5. What is axoneme? illustrate the structure.
6. Mention four major cell types of sponges.
7. What is dissogony?
8. What is the ecological importance of Adamsia?
9. What is velum?
10. What is meant by polyembryony?
11. What are flame cells?
12. What are the evolutionary advancements of Aschelminth group of organism over Platyhelminths

(Ceiling: 20 Marks)

Part B (Short essay questions)

Answer *all* question. Each question carries 5 marks.

13. Differentiate between Phenetics and Cladistics.
14. Comment on the Molecular taxonomy and DNA barcoding.
15. Explain briefly the phases in the life cycle of Plasmodium vivax.
16. Enlist the salient features of sub kingdom mesozoa citing example.
17. What are gemmules? Elaborate it's structure and functions.
18. What are the salient features of phylum Rotifera?
19. Comment on the unique features of Phylum Nematoda

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe the structural organization of Paramecium and explain the process of conjugation.
21. Elaborate the morphology and life cycle of Obelia.

(1 × 10 = 10 Marks)
