

D1BZL2101 (S3)

Reg. No.....

Name:

**FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2024
(Improvement/Supplementary)**

ZOOLOGY

GZOL1B01T: ANIMAL DIVERSITY: NON-CHORDATA PART- I

Time: 2 Hours

Maximum Marks: 60

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

1. Comment on Parenchymula.
2. Distinguish between homology and analogy of organs.
3. Comment on Dicyema.
4. Enumerate eight kingdom classification.
5. Enlist the features of Rotifera.
6. What are deuterostomes? Give example.
7. What is Cidippid larva?
8. What is facultative mutualism? Give example
9. Comment on DNA barcoding.
10. Write a short note on Plasmodium vivax.
11. What are blood flukes?
12. What do you mean by Dinoflagellata?

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

13. Enumerate the salient features of Nematoda with examples.
14. Explain digestive system of Dugesia.
15. Write an account on new trends in systematics.
16. Give an account on coelom and its formation.
17. Differentiate between hydrozoa and scyphozoa.
18. Give a brief account on ICZN.
19. Briefly explain canal systems in sponges.

SECTION C: Answer any *one* question. It carries *ten* marks.

20. Explain the morphology and structural organization of Paramecium. Give an account on its excretion and osmoregulation.
21. Describe the morphology of Obelia. Add notes on polymorphism and metagenesis.

(1 × 10 = 10 Marks)