

D 135252

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Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2025**

Zoology

ZOL 1B 01T—ANIMAL DIVERSITY : NON CHORDATA—Part I

(2019 Syllabus)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type)*All questions can be answered.**Each question carries 2 marks.**(Ceiling 20 marks)*

1. Define Cyclosis.
2. Mention the planktonic larva of Poriferans.
3. Name the causative agent of Elephantiasis.
4. State the function of Comb Plates.
5. Why are Rotifers commonly called as 'wheel animalcules' ?
6. What is red tide ?
7. Define the term Pseudocoelom.
8. Cite the functions of Choanocytes.
9. What is Serotaxonomy ?
10. Name an endosymbiotic protist that resides in the alimentary canal of termites.
11. Mention the larva of Ctenophores.
12. Define Metagenesis.

Turn over

Section B (Paragraph/Problem Type)

All questions can be answered.

Each question carries 5 marks.

(Ceiling 30 marks)

13. Discuss the important rules of International Code of Zoological Nomenclature.
14. Differentiate between Homologous and Analogous organs. Add a note on their origin.
15. Explain the life cycle of *Obelia*.
16. Write a note on the nutrition, feeding mechanism and process of digestion in Paramecium.
17. Enumerate the salient features of Phylum Cnidaria.
18. Give an account on nematode parasites of man.
19. Explain the digestive system of *Dugesia*.

Section C (Essay Type)

*Answer any **one** of the following question.*

The question carries 10 marks.

20. Illustrate and describe the canal system in Sponges.
21. Describe the process of conjugation in Paramecium using diagrams and discuss its significance.

(1 × 10 = 10 marks)