

TB242420W

Reg. No : .....

Name : .....

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2024

2023 ADMISSIONS REGULAR

SEMESTER II - CORE COURSE ZOOLOGY

ZY2C02B23 - Animal Diversity- Non Chordata

Time : 3 Hours

Maximum Marks : 60

**Part A**

**I. Answer any Ten questions. Each question carries 1 marks**

**(10x1=10)**

1. Define Commensalism. Give an example.
2. What is asymmetry? Give an example.
3. Define the term Metagenesis? Give an example.
4. Name any 2 Monogenetic parasites.
5. Define a Digenetic parasite. Give an example.
6. Name the causative agent of A) Liver rot in Sheep B) Hydatid disease.
7. What are 'Water fleas' and why are they called so?
8. What is a Chelate leg? Mention its uses.
9. Write the functions of a) Mandible b) Thelycum.
10. Why are chaetognaths known as 'Glass worms'?
11. What is a Subradular organ? Give its function.
12. Define Autotomy.



**Part B**

**II. Answer any Six questions. Each question carries 5 marks**

**(6x5=30)**

13. Discuss the characteristics of *Pleurobrachia*. Add a note on the salient features of its phylum.
14. With the help of suitable examples, write the salient features of phylum Porifera and its classes.
15. Explain the morphology and lifehistory of *Schistosoma*.
16. Classify phylum Nematoda up to classes. Describe the salient features of each class.
17. Distinguish between mosaic vision and superimposed vision in prawn.
18. Classify subphylum Chelicerata upto classes with an example for each.
19. Explain the sense organs in Prawn.
20. Give an account on *Balanoglossus* and justify its inclusion in Phylum Hemichordata.
21. Write short essay on the affinities of *Balanoglossus*.

**Part C**

**III. Answer any Two questions. Each question carries 10 marks**

**(2x10=20)**

22. Describe the various types of Canal system in Porifera. Sketch and Label.
23. Describe the life history of A) *Taenia solium* B) *Ancylostoma*.
24. With suitable figures give an account on the Cephalic appendages of *Panaeus*.
25. Classify Phylum Echinodermata upto class with suitable examples.