

TB222430W

Reg. No :

Name :

B. Sc. DEGREE (C.B.C.S.) EXAMINATION, MARCH 2023

**2022 Admissions Regular & 2021 Admissions Supplementary / Improvement And 2020, 2019 And 2018 Admissions
Supplementary**

SEMESTER II - CORE COURSE (ZOOLOGY)

ZY2B02B18 - ANIMAL DIVERSITY- NON CHORDATA

Time : 3 Hours

Maximum Marks : 60

Part A

I. Answer any Ten questions. Each question carries 1 mark

(10x1=10)

1. Name the larva of Coelenterates.
2. Assign the following to their respective phyla a) *Sycon* b) *Rhopalura*.
3. Assign the following to their respective phyla a) *Pleurobrachia* b) *Trichoplax*.
4. Assign the following to their respective phyla a) *Schistosoma* b) *Polygordius*.
5. What is a Clitellum? Give an example.
6. Give the common name of A) *Enterobius* B) *Ancylostoma*.
7. Recall an animal belonging to a) Cirripedia b) Brachiopoda
8. Why do animals moult?
9. Define Ecdysis.
10. Mention the name of the larva of *Balanoglossus*.
11. Name the excretory organ of *Balanoglossus*.
12. Give the function of a) Ambulacral groove b) Mantle

Part B

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

(6x5=30)

13. Discuss the structure of Gemmules. Sketch and label.
14. **Explain the structure of Medusa in *Obelia*. Sketch and Label**
15. Classify phylum Nematoda up to classes. Describe the salient features of each class.
16. Describe A) *Planaria* B) *Polygordius*.
17. Write a note on class Insecta and its example.
18. Explain the sense organs in Prawn.
19. What are dendrobranchiae? Add notes on branchial formula.
20. With suitable example explain the characteristics of class Scaphopoda.
21. Describe *Peripatus* and its affinities.

Part C

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

(2x10=20)

22. Define Polymorphism. Compare the Zooids found in *Halistemma* and *Physalia*.
23. Write an essay on larval stages of *Fasciola*.
24. List the classification of Phylum Arthropoda upto classes with suitable examples.
25. Write an essay on two minor phyla with suitable examples.