

TB171500D

Reg. No:.....

Name:.....

**B. Sc. DEGREE (C.B.C.S.S) EXAMINATION, OCTOBER 2018**  
**(2017 Admission Improvement / Supplementary and 2015 & 2016 Admission**  
**Supplementary)**  
**SEMESTER I - CORE COURSE (ZOOLOGY)**  
**ZYIB0ITB - NON CHORDATE BIOLOGY**

**Time: Three Hours**

**Maximum Marks: 60**

**PART A**

**I. Answer all questions. Each question carries 1 mark**

1. Define symmetry.
2. Describe the Gastric mill of Penaeus.
3. What is Petasma?
4. Explain Choanocyte?
5. What is Madreporite?

**(5 x 1 = 5)**

**PART B**

**II. Answer any five questions. Each question carries 2 marks**

6. What is evisceration?
7. Noctiluca is one of the marvels of the sea. Why is it called sea sparkle?
8. Describe the defensive mechanism of Sepia.
9. Sketch and label the Ommatidium of a compound eye.
10. What is dendrobranchia?
11. Name the different species of Plasmodium and the disease caused by each?
12. What are flame cells? Explain their function.
13. Describe Trichonympha?

**(5 x 2 = 10)**

**PART C**

**III. Answer any five questions. Each question carries 5 marks**

14. Describe the process of asexual Reproduction in Paramecium.
15. Give an account of Nosema?
16. Discuss the various types of coral reefs.?
17. With the help of labelled diagrams classify the cephalic appendages of penaeus.
18. Limulus is a living fossil. Justify.
19. Explain different types of Zooids in Hydrozoa. Mention their functions?
20. Write notes on Echinococcus.
21. Give the outline classification of Annelida citing one example each.

**(5 x 5 = 25)**

PART D

IV. Answer any two questions. Each question carries 10 marks

- 22. Write an essay on life cycle of plasmodium.
- 23. With the help of labelled diagrams, describe the larval stages of Penaeus.
- 24. Enumerate the life history of Fasciola.
- 25. Give an account on the pathogenic nematodes.

(2 x 10 = 20)

16 Bot 26, 33, 40  
18 Bot 003, 006, 15c-006  
15 200029,  
16 CA CA 016  
58/4 F T 030  
115 MAT 073  
0816 MAT 5093  
  
(Can - 609 & 31)  
Ccm - 24  
BMS - 018