

TB221430V

Reg. No :

Name :

B. Sc. DEGREE (C.B.C.S.) EXAMINATION, NOVEMBER 2022
(2022 Admissions (regular) 2021 Admissions (Improvement / Supplementary), 2020, 2019, 2018, Admissions
Supplementary)

SEMESTER I - COMPLEMENTARY COURSE 2 (ZOOLOGY)

(Common For Botany and H.Sc.)

ZY1C01B18 - NON CHORDATE DIVERSITY

Time : 3 Hours

Maximum Marks : 60

Part A

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

(10x1=10)

1. Give the generic name of a) sun animalcule b) slipper animalcule.
2. List the five kingdoms of classification.
3. List any 2 photosynthetic pigments found in red algae.
4. List two larval forms of Porifera.
5. Explain the terms a) ostia b) osculum.
6. Name the mode of feeding in Leech.
7. Name an organism in which Clitellum is found.
8. Define ommatidia.
9. What is squame? Give its function.
10. Give the functions of a) Statocysts b) Ovigerous legs.
11. What is Aristotle's lantern?
12. Name the larva of pearl oyster.

Part B

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

(6x5=30)

13. Outline the salient features of Choanoflagellates. Explain their evolutionary significance.
14. Define coelom. Explain different types of coelom.
15. Explain briefly on coral reefs and its different types.
16. Describe the characteristic features of Aphasmsids with example.
17. Explain the general characteristics of Phylum Annelida.
18. Write a note on class Insecta and its example.
19. Compare between mosaic vision and superimposed vision in prawn.
20. With suitable example explain the characteristics of class Scaphopoda.
21. List the classes under Phylum Echinodermata with an example for each.

Part C

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

(2x10=20)

22. Classify kingdom Protista upto phylum giving any two salient features with an example for each phylum.

23. Describe the salient features of Class Cestoda and elaborate the life cycle of *Taenia solium*.
24. With suitable figures give an account on the larval stages of *Penaeus*.
25. Classify Phylum Echinodermata upto class with suitable examples.