



QP CODE: 21102457



21102457

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) EXAMINATIONS, OCTOBER 2021**

**First Semester**

**Complementary Course - ZY1CMT01 - ZOOLOGY - NON CHORDATE DIVERSITY**

(Common to B.Sc Biological Techniques and Specimen Preparation Model III, B.Sc Botany and Biotechnology Model III Double Main, B.Sc Botany Model I, B.Sc Botany Model II Environmental Monitoring And Management, B.Sc Botany Model II Food Microbiology, B.Sc Botany Model II Horticulture and Nursery Management, B.Sc Botany Model II Plant Biotechnology, B.Sc Family & Community Science Model I, B.Sc Food Science & Quality Control Model III, B.Sc Food Technology & Quality Assurance)

2017 Admission Onwards

925CC2CB

Time: 3 Hours

Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Which organisms are called Monerans?
2. Give any two unique salient features of Kingdom Protista.
3. What is holozoic nutrition?
4. What is a Spongocoel?
5. Define Polymorphism.
6. What are fringing reefs?
7. Give an example of an animal with a Ladder-like nervous system.
8. Mention any two characteristic features of Trematoda.
9. What are Sclerites?
10. Name the rasping organ seen in Mollusca.
11. Comment on torsion.
12. Define radial symmetry.

(10×1=10)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Write short note on Opalinata.
14. Give an account on Rhodophyta with an example.
15. Explain in detail about the diseases caused by Entamoeba.
16. Write an essay on characteristic features of major classes of cnidarians.
17. Mention in brief about any five characteristics of Phasmida.
18. Explain the mechanism of feeding and digestion in Penaeus.
19. Explain the nervous system of Penaeus with the help of neat labelled diagram.
20. Write a short note on Pycnogonidia with the help of an example.
21. Describe five important features of Holothuria.

(6×5=30)

### Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Write an essay on the following a) Metamonada b) Kinetoplasta c) Euglenophyta d) Cryptophyta.
23. Write an essay on the following a) Polychaeta b) Oligochaeta c) Hirudinomorpha.
24. Briefly describe Phylum: Arthropoda.
25. Give an account on Hemichordata with special reference to Balanoglossus. Mention its affinities with Chordata.

(2×10=20)

