22102206

QP CODE: 22102206

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR /IMPROVEMENT / REAPPEARANCE EXAMINATIONS, JULY 2022**

**First Semester**

**Core Course - ZY1CRT01 - GENERAL PERSPECTIVES IN SCIENCE & PROTISTAN DIVERSITY**

(Common to B.Sc Zoology Model I, B.Sc Zoology Model II Aquaculture, B.Sc Zoology Model II Food Microbiology, B.Sc Zoology Model II Medical Microbiology)

2017 Admission Onwards

26E4487F

Time: 3 Hours Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

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

1. Define Law.
2. What is meant by metabolism?
3. What is Bar coding?
4. Define Law of Priority.
5. Who proposed five kingdom classification?
6. Who coined the term coelom?
7. What is trichocyst?
8. Osmoregulatory organelle of protists.
9. Which is the plane of division shown by ciliates?
10. Why Actinophrys is known as Sun Animalcule?
11. What are the symptoms of amoebic dysentery?

12. Name the intermediate host of Trypanosoma gambiense.

(10×1=10)

## Part B

*Answer any **six** questions.*

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

13. Describe the features of science and steps involved in the scientific method.
14. What is science? Explain the scientific method.
15. Give an account on the landmark events in the progress of Biology.
16. Describe the various scope of studying Zoology and mention the specialized branches.
17. What is Zoological nomenclature? Differentiate between Uni-, Bi-and trinomial nomenclature with examples.
18. Briefly explain the advantages of multi access key.
19. Explain cytogamy giving example.
20. Comment on Giardia intestinalis. What is its medical significance?
21. Explain the life cycle of Leishmania.

(6×5=30)

## Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. What is Taxonomy? Briefly explain various approaches in Taxonomy.
23. Give an account on reproduction in Paramecium.
24. With a suitable example, describe the features and lifecycle pattern in phylum sporozoa.
25. Elaborate the life cycle of Plasmodium.

(2×10=20)