QP CODE: 18103677

18103677

Reg No : .....

Name : .....

B.Sc.DEGREE(CBCS)EXAMINATION, DECEMBER 2018

First Semester

CORE - 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)

2018 Admission only

99CE678E

Maximum Marks: 60 **Time: 3 Hours**

Part A

Answer any **ten** questions.

Each question carries **1** mark.

1. What is inductive reasoning?
2. What is Myology?
3. What are genetic markers?
4. What is organ level of organization?
5. Who are Acoelomates? Give an Example.
6. What are couplets?
7. Define cytopyge.
8. Comment on respiration of Paramecium.
9. Name the type of asexual reproduction shown by parasitic protozoans.
10. Name the needle like extensions present in Phylum Actinopoda.
11. What is the scientific name of the intermediate host of Trypanosoma gambiense.
12. Which causes malignant tertian fever?

(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 fundamental biological truths. Write an account on the landmark events in the

progress of Biology.

16. Write an account on the levels of organization of life. Write an account on the landmark events in the progress of Biology.
17. Comment on the development of systematics.
18. What are the short comings of two system classification.
19. Explain autogamy giving example.
20. Describe the structure of Nosema.
21. Explain the life cycle of Leishmania.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Explain the basics of Animal classification with special reference to different types of symmetry with the help of diagrams?
23. Give an account on reproduction in Paramecium.
24. Compare and contrast the salient features of Phylum Euglenophyta and Phylum Cryptophyta.
25. Write an essay on Parasitic protists.

(2×10=20)