23146017

QP CODE: 23146017

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE EXAMINATIONS, DECEMBER 2023

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

4C6A51A8

Time: 3 Hours Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. Define Hypothesis.
2. What is anthropology?
3. Who coined the term Systematics?
4. Comment on Monera.
5. What is Bilateral symmetry? Give an Example.
6. What is pseudocoel?
7. What is pellicle?
8. How does the Paramecium attract food to the cytopharynx?
9. Name the type of respiration show by parasitic and benthic protozoans.
10. Write the scientific name of the causative organism of malaria.
11. What are the symptoms of amoebic dysentery?
12. Name the disease caused by Trypanosoma gambiense.

(10×1=10)

Part B

*Answer any **six** questions.*

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

13. Define knowledge. Explain the kinds of knowledge.

14. Differentiate deductive and inductive reasoning with suitable example.

15. What is life? What are its major characteristic manifestations?

16. Enumerate the functions of ZSI.

17. Comment on DNA Bar-coding.

18. Write an account on the advantages and disadvantages of single access key.

19. Explain cytogamy giving example.

20. Describe the structure of Actinophyrs.

21. Give an account on Leishmania.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain Zoological nomenclature with examples and primary requisites for a nomenclature. Add a note on its rules.

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 the life cycle of Plasmodium with suitable diagrams.

(2×10=20)