QP CODE: 19103076

19103076

Reg No : .....

Name : .....

B.Sc.DEGREE (CBCS) EXAMINATION, NOVEMBER 2019

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

670D31EB

Time: 3 Hours Maximum Marks :60

Part A

*Answer any **ten** questions.*

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

1. What is meant by vocabulary of Science?
2. Define bioenergetics.
3. Define systematics.
4. What is DNA Bar coding?
5. What is biological nomenclature?
6. What is principle of priority?
7. Comment on infra ciliary apparatus.
8. Define conjugation.
9. Name the exoskeleton produced by the members of Actinopoda.
10. What are ciliates? Give an example.
11. Name the disease caused by Entamoeba histolytica.
12. What is the scientific name of the intermediate host of Trypanosoma gambiense.

(10×1=10)

Part B

*Answer any **six** questions.*

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

13. Give an account of vocabulary of science with sufficient examples.

14. Differentiate deductive and inductive reasoning with suitable example.

15. Write an account on the History of Biology. Write an account on the landmark events in the progress of Biology.

16. Give an account on the branches and scope of Zoology

17. Comment on the classification based on symmetry

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

19. Comment on the procurement of food and the cycle of food vacuole.

20. The genus Trypanosoma and Leishmania are blood parasites in vertebrates. Justify this statement?

21. Give an account on Leishmania.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain Five kingdom classification. Write a brief account on its merits and demerits.

23. Give an account on reproduction in Paramecium.

24. Give an account on Kingdom Protista . Mention its salient features.

25. Write an essay on the life cycle of Plasmodium with suitable diagrams.

(2×10=20)