QP CODE: 19101077

19101077

Reg No : .....

Name : .....

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

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 (Reappearance)

67334F99

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

Part A

Answer any **ten** questions.
Each question carries **1** mark.

1. What is Science?
2. Comment on prokaryotes.
3. Binomial nomenclature
4. Who prepared five kingdom classification?
5. Define Asymmetry.
6. Define Coelom.
7. Comment on neuromotor system.
8. Name the type of feeding in Paramecium.
9. Comment on Trichonympha.
10. Mode of nutrition in Volvox.
11. Write on ectoparasitic protozoan
12. What are the symptoms of Kala azar?

(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 the major discernible manifestations of Life? Write an account on the levels of organization of life.

16. Write an account on the scope of Zoology. Write an account on the landmark events in the progress of Biology.

17. Explain different tools used in taxonomy?

18. Comment on the applications of bar coding.

19. Give an account of Excretion and osmoregulation in Paramecium.

20. Describe the structure of Cryptomonas.

21. Explain the life cycle of Trypanosoma.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Define taxonomic keys? Which are the different types of keys? Add a note on characteristics of a good keys.

23. Elaborate on conjugation exhibited by Paramecium.

24. Describe the general characters of Protista. Add a note on its classification.

25. Elaborate the life cycle of Plasmodium.

(2×10=20)