QP CODE: 21102476

21102476

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) EXAMINATIONS, OCTOBER 2021

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

3E9AADE5

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. What is Epistemology?
2. Differentiate endergonic from exergonic reactions.
3. What is taxon?
4. What is ICZN?
5. What are eucoelomates?
6. What are computer aided keys?
7. What is plasmalemma?
8. What is cyclosis?
9. Which organism is known as proteus animalcule?
10. Which organism causes amoebic dysentery in man?
11. Comment on ookinete.
12. What is the scientific name of the intermediate host of Leishmania donovani?

(10×1=10)

Part B

*Answer any **six** questions.*

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

13. What is science? Explain the scientific method.

14. Differentiate deductive and inductive reasoning with suitable example.

15. Write an account on the landmark events in the progress of Biology. Write an account on the levels of organization of life.

16. Explain the scope of Zoology in the different fields.

17. What is Bar coding of life? Briefly explain. Add a note on its advantages.

18. Write an account on principle of priority.

19. Descrinbe the mechanism of conjugation in Paramecium.

20. Describe the structure of Trypanosoma.

21. Give an account on Trypanosoma gambiense.

(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. Elaborate on conjugation exhibited by Paramecium.

24. Classify Protista up to classes, giving salient features of each class with examples.

25. Write an essay on Parasitic protists.

(2×10=20)