(Pages : 3) P – 7743

Reg. No. : .....

Name : .....

ST. SAINT'S COLLEGE LIBRARY TRIVANDRUM

First Semester B.Sc. Degree Examination, March 2023

First Degree Programme under CBCSS

Zoology

Core Course – I

ZO 1141 : ANIMAL DIVERSITY – I

(2019 Admission Onwards)

Time : 3 Hours Max. Marks : 80

I. Answer **all** questions in **one** or **two** sentences. Each question carries **1** mark.

1. What is trinomial nomenclature?
2. What is pedicellaria?
3. What is cephalisation?
4. What is a pseudocoelomate?
5. Write any two salient features of Demospongia.
6. Comment on Fasciolasis.
7. Name any two pests of coconut.
8. What is petasma?
9. What is saprozoic nutrition?
10. What are flame cells?

(10 × 1 = 10 Marks)

P.T.O.

II. Answer any **eight** questions. (Each question carries **2** marks and answers should not exceed one paragraph)

11. Write notes on polymorphism in Physalia.

12. Comment on the preventive measures for Taeniasis.

13. What is radula. Mention its function.

14. Comment on the pathogenicity of Schistosoma.

15. Write short notes on Polyembryony in *Fasciola*.

16. Describe the mode of infection of *Wuchereriasis*

17. Explain the parasitic adaptations of Ascaris.

18. What are pinacocytes?

19. Write notes on Limulus.

20. Comment on Aristotle's lantern.

21. Describe the characteristic features of Sacculina.

22. Give a brief account on Chiton.

(8 × 2 = 16 Marks)

III. Answer any **six** questions. (Each question carries **4** marks; each answer should not exceed 120 words).

23. Explain the economic importance of molluscs.

24. Describe the respiratory system of prawn.

25. With a neat labelled sketch, describe the mantle cavity and pallial complex of Pila.

26. Explain the different types of Coral reefs and their importance.

27. Describe the salient features of Echinodermata and classify down to classes.

28. Give an account on the pests of paddy.

29. Explain the characteristic features of Porifera.

30. Explain the special features of class Ophiuroidea.

31. Distinguish between Neries and Heteroneries.

(6 × 4 = 24 Marks)

IV. Answer any **two** questions. (Each question carries **15** marks).

32. Explain the morphology, lifecycle and pathogenicity and prophylaxis of *Entamoeba histolytica*.

33. Enlist the salient features of Phylum Platyhelminthis. Classify the phylum down to classes with examples

34. Describe the cephalic and thoracic appendages of prawn with suitable diagrams.

35. What down the salient features of Phylum Mollusca and classify down to classes with examples.

(2 × 15 = 30 Marks)