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First Semester B.Sc. Degree Examination, June 2022

First Degree Programme Under CBCSS

Zoology

Complementary Course for Botany, Home Science and Bio-Chemistry

ZO 1131.1 – ANIMAL DIVERSITY I

(2015-2019 Admission)

Time : 3 Hours Max. Marks : 80

Draw diagrams wherever necessary

I. Answer the following questions in **one** or **two** sentences.

1. *Trychonympha*
2. Metamerism
3. *Euplectella*
4. Flame cell
5. Peristomeum in annelids
6. Name of Two human nematode parasites
7. Heteronereis
8. Nacre

P.T.O.

9. Petasma

10. Spodoptera

(10 × 1 = 10 Marks)

II. Answer any **eight** of the following not exceeding one paragraph. Each carries **2** marks.

11. *Sacculina*

12. Clitellum

13. Wuchereriasis

14. polymorphism in Physalia

15. Eucoelomates

16. Regeneration in Turbellaria

17. Sexual dimorphism in Ascaris

18. Taeniasis

19. *Limulus*

20. Polyembryony

21. Vermicomposting

22. Mosquitoes as vectors

(8 × 2 = 16 Marks)

III. Answer any **six** of the following not exceeding 120 words, each carries **4** marks)

23. Identifying features of Phylum Porifera.

24. Human nematode parasites

25. Parasitic adaptations of Hirudinaria.

26. Coral reefs

27. Metagenesis in Obelia

28. Pests of stored food grains.

29. Larval stages in Echinodermates

30. Mussel culture

31. Structure and functions of Parapodium

(6 × 4 = 24 Marks)

IV. Answer any **two** of the following each carries **15** marks.

32. With the help of a diagram, describe the appendages of prawn.

33. Explain morphology, lifecycle and pathogenicity of *Entamoebo histolytica*.

34. Explain the water vascular system in echinoderms.

35. Classify phylum Cnidaria with salient features and examples.

(2 × 15 = 30 Marks)