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N – 4010

Reg. No. :

Name :

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

(2013 & 2014 Admission)

Time : 3 Hours

Max. Marks : 80

I. Answer the following questions. Each carries 1 mark.

1. *Plasmodium*
2. *Noctiluca*
3. *Euplectella*
4. *Fasciola hepatica*
5. *Elphidium*
6. Sea urchin
7. *Nautilus*
8. *Loligo*

P.T.O.

9. Madrepora
10. *Chaetopterus*

(10 × 1 = 10 Marks)

II. Answer any **eight** of the following (Not to exceed **one** paragraph. **Each** carries **2** marks)

11. *Ascaris*
12. Explain the importance of *Physalia*.
13. Draw a neat labeled sketch of Parapodium.
14. Describe *Balantidium*.
15. Explain water vascular system.
16. Describe the pathology of *Taenia solium*.
17. Describe *Trypanosoma*.
18. Explain about Sycon.
19. Explain the significance of *Oryctes rhinoceros*.
20. Name the five kingdom classification.
21. Name the nutrition pattern of *Paramecium*.
22. Explain about *Balanus*.

(8 × 2 = 16 Marks)

III. Answer any **six** of the following (not to exceed 120 words. questions. Each carries 4 marks)

23. Explain Sericulture.
24. Describe the significance of *Sacculina*.
25. Explain the relationship of *Trychonympha* and Termites.
26. Explain the types of Prawn fisheries.
27. Describe Apiculture.
28. Explain the evolutionary significance of *Peripatus*.
29. Explain the affinities of *Tornaria* larva.
30. Describe the evolutionary significance of *Limulus*.
31. Explain the pathology of *Entamoeba*.

(6 × 4 = 24 Marks)

IV. Answer any **two** of the following. (Each carries 15 marks)

32. Write an essay on the reproduction in Protozoans.
33. Describe the procedure of Pearl culture.
34. Explain the nature of destruction and control measures of pests of Paddy.
35. Write an essay on ecological importance of Earthworm in vermiculture.

(2 × 15 = 30 Marks)