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Reg. No. :

Name :



First Semester B.Sc. Degree Examination, January 2024

First Degree Programme under CBCSS

Zoology

Complementary Course for Botany, Home Science and Bio-Chemistry

ZO 1131.1 — ANIMAL DIVERSITY I

(2015 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

Draw diagrams only if specified in the question

1. Answer the following questions (In **one** or **two** sentences. 1 mark each)
 1. Specialized tissue between body wall and alimentary canal in Leeches.
 2. Jet propulsion locomotion.
 3. Vector that causes Malaria.
 4. Common name of Holothurians.
 5. Stored food grain pest.
 6. Tube feet.
 7. Molluscan which has segmentation, also a living fossil.

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8. Common name of *Lepisma*.
9. Organism that exhibit retrogressive metamorphosis.
10. Scientific name of Portugese-man-of-war.

(10 × 1 = 10 Marks)

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

11. Strobilization, giving an example.
12. Radula and its function.
13. Distinguish Byssus threads from Captacula.
14. Limulus.
15. Autotomy, with an example.
16. Distinguish Moths from Butterflies.
17. Annelids, give an example.
18. Shell structures of *Chiton* and *Pita*,
19. Diagnostic features of Platyhelminthes, with an example.
20. Rhopalia in *Aurelia*.
21. Polymorphism, with an example.
22. Water vascular system.

(8 × 2 = 16 Marks)

- III. Answer any **six** of the following. [Not to exceed **120** words. Each carries **4** marks].
23. Diagnostic features of Phylum Mollusca, giving classes.
 24. Classification of Protista upto Phyla level, with an example each.
 25. Conjugation in *Paramecium*.
 26. Distinguish Cycle of Ross from Cycle of Golgi.
 27. Types of coral reefs.
 28. Affinities of *Peripatus* with Annelida and Arthropoda.
 29. Parasitic adaptations seen in Tape worm.
 30. Hermit Crabs and their adaptations.
 31. Five kingdom classification.

(6 × 4 = 24 Marks)

- IV. Answer any **two** of the following. [Each carries **15** marks].
32. With suitable diagrams explain the life cycle of *Taenia solium*.
 33. Explain the insect pests of paddy and coconut. Mention control measures.
 34. Write an essay on polymorphism in Coelenterates, with emphasis to *Obelia*.
 35. Describe the formation of pearls, its culture and management

(2 × 15 = 30 Marks)