K25FY4254 Pages: 2 Reg No:.....
Name:.....

First Semester FYUGP Degree (Reg/Sup) Examination November 2025

KU1DSCZOO101 - INTRODUCTION TO ZOOLOGY

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. What are variations?
2. Explain the how a scientific name of an animal is written?
3. Which phylum does: a) tape worm and b) cow, represent?
4. Which phylum does: a) sponges represent; b) corals represent?
5. What is lophophore?
6. What are the five key characteristics of chordates?
7. Name any two theories of taxonomy?
8. Name any two preservation techniques for insects?

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Section B

Answer any 4 questions. Each carry 6 marks.

9. Describe the developmental differences between protostomes and deuterostomes, and explain how these differences influence the evolutionary adaptations of protostomes
10. Why is lophotrochozoa and ecdysozoa considered as a better classification scheme for traditional protostomia?
11. What are the reasons for evolutionary success of chordata?
12. Analyze the role of cladistics in modern taxonomy.
13. You are asked to sample the bird diversity of a forest area, which sampling method would you use and why?
14. 4. Describe the best preservation method for the following animals, reason out: a) pin worm, b) butterfly, c) fish.

Section C

Answer any 1 questions. Each carry 14 marks.

15. (a) Explain the theory of evolution by natural selection?

    (b) Discuss the role of taxonomy and the hierarchical classification system in modern biology. How does it help in organizing and understanding biodiversity?

16. (a) How does the extracellular components and different tissue types contribute to animal life?

    (b) Compare different types of tissues?

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