

**First Semester FYUGP Degree Supplementary Examination
January 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 traits?
2. What is proximate cause and ultimate cause?
3. What is heterotrophy? Give an example of a heterotrophic animal.
4. What is ecdysone?
5. What is the difference between synapomorphy and symplesiomorphy?
6. What are the different 'types' used in animal systematics?
7. Mention any two wet preservation methods
8. What is pit-fall trap?

Section B

Answer any 4 questions. Each carry 6 marks.

9. Compare and contrast the Cell Theory with the Theory of Spontaneous Generation.
10. If you encounter a fossil stratum with a diverse number of fish fossils, what would be your assumptions regarding the strata and the evolutionary phenomenon?
11. What would have been the reasons for a rapid diversification of animal phyla during cambrian?
12. Describe the developmental differences between protostomes and deuterostomes, and explain how these differences influence the evolutionary adaptations of protostomes
13. What is the problem of classifying Aves as a distinct class and Hominidae as a distinct family?
14. 4. Describe the best preservation method for the following animals, reason out:
a) pin worm, b) butterfly, c) fish.

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Section C

Answer any 1 questions. Each carry 14 marks.

15. Evaluate the impact of the chordate body plan, on the evolutionary success of vertebrates in terrestrial environments
16. List the different animal phyla and their classification based on: a) symmetry; b) developmental patterns and c) morphological features