K25FY4607 Pages: 2 Reg No:.....
Name:.....

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

KU1DSCZOO102 - ANIMALS AND ENVIRONMENT

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. List out different types of biodiversity.
2. What is meant by gamma diversity
3. Explain what is meant by Biosphere reserves
4. Describe ex-situ conservation
5. Compare the features of tropical and temperate forest
6. Define the term Niche.
7. How does the amount of available energy change from producers to tertiary consumers?
8. Name the two main types of nutrient cycles in ecosystems.

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Section B

Answer any 4 questions. Each carry 6 marks.

9. Assemble the important characteristic features of terrestrial biomes.
10. Consider a temperate forest that was converted into desert by deforestation. To survive in new conditions which of the existing features of animals and plants will be a limitation?
11. Develop the key roles of dispersal in shaping the distribution of animal species.
12. Discuss the importance of food webs in maintaining ecosystem stability. How do they contribute to resilience against environmental changes?
13. Generate a model for the nitrogen cycle.
14. Produce an illustration for the phosphorous cycle.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Evaluate different levels and threats to biodiversity

16. Examine the impact of climate change due to acid rain, global warming, and the greenhouse effect on biodiversity

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