Reg No:..... K24FY1496-C
Name :.....

First Semester FYUGP Zoology Examination
November 2024 (2024 Admission onwards)
KU1DSCZOO102 (ANIMALS AND ENVIRONMENT)

(EXAM DATE : 06-12-2024)

Time : 90 min Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. Define disjunct distribution. 2
2. Describe the animal distribution in Grasslands. 2
3. Compare predation and parasitism. 2
4. Explain the concept of trophic levels with examples. 2
5. Define biodiversity. 2
6. Describe ex-situ conservation 2
7. Describe wildlife corridors. 2
8. Explain the causes of acid rain 2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Produce the differences between lotic and lentic ecosystems with examples 6
10. Develop the key roles of dispersal in shaping the distribution of animal species. 6
11. Construct a food web for a terrestrial ecosystem and discuss the significance of food webs in maintaining ecosystem balance. 6
12. Formulate differences between genetic diversity, species diversity, and ecosystem diversity. 6
13. Design a reintroduction program for a species using both in-situ and ex-situ conservation strategies. 6
14. Propose ways in which urban planning could reduce the effects of the greenhouse effect. 6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. Discuss various threats to Biodiversity. Add a note on the significance of biodiversity. 14
16. Evaluate the importance of energy flow and ecological pyramids in understanding ecosystem dynamics. Analyze the differences between the three ecological pyramids and discuss their advantages and disadvantages. 14

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