Reg No:..... K24FY 1450 (B)
Name :.....

First Semester FYUGP Forestry Examination NOVEMBER 2024 (2024 Admission onwards) KU1DSCFOR103 (INTRODUCTION TO WILDLIFE SCIENCES)

(DATE OF EXAM: 4-12-2024)

Time : 90 min Maximum Marks : 50

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

1. How do wildlife species contribute to the balance of their environments? 2

2. Define the class Mammalia and list three defining characteristics. 2

3. Name two species unique to the Western Ghats and describe their habitat preferences. 2

4. Define zoogeography and list the major zoogeographic regions of India where different mammals are found. 2

5. How do environmental factors impact amphibian reproduction? 2

6. Discuss how the behavior of venomous snakes can differ from that of non-venomous snakes when threatened. 2

7. Identify the purpose of antivenom in treating snake bites. 2

8. What role does habitat preservation play in in-situ conservation? 2

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

9. Examine how economic activities, such as tourism, can both positively and negatively impact wildlife. 6

10. Identify and explain the adaptive significance of flight in Chiroptera. How does this adaptation impact their niche and distribution 6

11. Discuss how India's diverse geography influences the distribution patterns of animal species. Provide examples of animals adapted to specific regions. 6

12. Evaluate how temperature-dependent sex determination (TSD) in reptiles can influence population dynamics under changing climate conditions. 6

13. Create a community awareness program focused on snake conservation and safety. How would you engage the public in learning about venomous and non-venomous snakes? 6

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14. Apply the concepts learned from conservation projects like Project Elephant to propose a management strategy that addresses human-elephant conflicts in a specific region. 6

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

15. Create a conceptual model that illustrates the adaptations of wild animals to extreme environmental conditions, such as hibernation and aestivation. Evaluate how these adaptations enhance survival and affect population dynamics. 14

16. Analyze the effectiveness of conservation policies in India concerning endangered species. Create recommendations for policy improvements based on current challenges and successful case studies. 14

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