



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA**  
**FACULTY OF SCIENCE**  
**Department of Biological Sciences**  
**2025\_2 EXAMINATIONS**

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**BIO 412: WILDLIFE ECOLOGY AND CONSERVATION**

**Time: 2½ Hours**

**Credit Units: 3**

**Instruction: Answer FOUR (4) questions only. QUESTION 1 is compulsory.**

- 1a. Outline the effects of Temperature on animals (5 marks)
- 1b. What are the problems of wildlife conservation in Nigeria? (5 marks)
- 1c. Highlight the factors that influence the choice between using a probability or a nonprobability approach to sampling (5 marks)
- 1d. Mention ten Principles in Ecosystem Management. (10 marks)
  
- 2a: Explain the significance of biodiversity in maintaining a healthy wildlife habitat (7 marks).
- 2b: Describe the key principles of managing protected areas to ensure ecological sustainability. (8 marks)
  
- 3a. List 8 and briefly describe 4 of the Protected Areas for Wetland Wildlife in Nigeria. (8 marks)
- 3b: Explain the role of international organizations in global wildlife conservation efforts. (7 marks)
  
- 4a List eight (8) measures to help save wildlife. (8 marks)
- 4b: Analyze the impacts of human-wildlife conflict on both humans and wildlife, and suggest potential solutions. (7 marks)
  
- 5a: Explain how climate change affects the habitats of wildlife and provide examples of species that are impacted. (8 marks)
- 5b. List some of the consequences of climate change (7 marks)
  
- 6a. Explain the fundamental goals of the National Forest Policy? (10 marks)
- 6b. What are the goals of the IUCN Red List? (5 marks)