



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA**  
**FACULTY OF SCIENCE**  
**Department of Biological Sciences**  
**2023\_1 POP EXAMINATION**

**COURSE CODE: BIO412**

**COURSE TITLE: WILDLIFE ECOLOGY AND CONSERVATION**

**CREDIT: 3 UNITS**

**TIME ALLOWED: 2½ HOURS**

**INSTRUCTION: ANSWER NUMBER ONE (1) AND ANY OTHER THREE (3) QUESTIONS**

- 1a What are Ecosystems? **(5 marks)**
- 1b Highlight the various conservation efforts in Nigeria **(10 marks)**
- 1c What are the Problems of wildlife conservation in Nigeria? **(10 marks)**
  
- 2a List the main features of the abiotic environment **(5 marks)**
- 2b Discuss what you understand by ecosystem management? **(10 marks)**
  
- 3 Highlight and briefly explain the adaptive features for the survival of forest plants in tropical rainforest environment. **(15 marks)**
  
- 4a Elucidate the influences of wildlife on forestry? **(5 marks)**
- 4b Differentiate between Ecological disturbances and Ecological succession **(10 marks)**
  
- 5a Highlight and explain the various Conservation efforts in Nigeria **(9 marks)**
- 5b List and define three basic goals of the Convention of Biological Diversity. **(6 marks)**
  
- 6 Outline the importance of Ecotourism to the Economic Empowerment of Nigeria **(15 marks)**