



**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja  
Faculty of Science**

**Department of Pure and Applied Sciences**

**2023 2 EXAMINATIONS—**

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**COURSE CODE: BIO 412 (3 CREDIT UNITS); TIME ALLOWED: 3 HOURS**

**COURSE TITLE: WILDLIFE ECOLOGY AND CONSERVATION**

**INSTRUCTION: Answer question ONE (1) and any other FOUR (4) questions only**

- 1a What are Ecosystems?
- 1b List the main features of the abiotic environment
- 1c Discuss what you understand by ecosystem management?
  
- 2a What are the adaptive features that enable forest plants to survive in tropical rainforest environment?
- 2b Outline any six beneficial as well detrimental Influences of forestry on wildlife
  
- 3a Enumerate the Influences of wildlife on forestry?
- 3b Outline and explain the various methods used to control wildlife damaging the forest crops
  
- 4a Explain each of the following
  - i Biotic potentials
  - ii Biotic factors
  - iii Ecological disturbances
  - iv Ecological succession
  
- 5a List any four factors which automatically pave way for serious parasite-disease outbreaks in a population
- 5b Briefly explain the various Conservation Efforts in Nigeria
  
- 6 Discuss any four major Constraints to Ecotourism in Nigeria