



**NATIONAL OPEN UNIVERSITY OF NIGERIA**

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

**JULY 2017 EXAMINATION**

**COURSE CODE: BIO 412 (2 CREDIT UNITS)**

**COURSE TITLE: WILDLIFE ECOLOGY AND CONSERVATION**

**TIME ALLOWED: 2HOURS**

**INSTRUCTION: QUESTION ONE IS COMPULSORY AND ANY OTHER THREE QUESTIONS.**

1. a. Wildlife depends on vegetation for its existence. Explain **(5marks)**  
b. Forestry practices exert well defined beneficial and detrimental effects on wildlife. State **five** of these beneficial and detrimental effects respectively **(5marks)**  
c. Discuss the general principles of wildlife management **(10marks)**  
d. Outline the principles of sustainable management of the ecosystem **(5marks)**
2. a. Write short notes on the following:
  - i. biotic potentials **(3marks)**
  - ii. biotic factors **(3marks)**
  - iii. ecological disturbances **(3marks)**
  - iv. ecological succession **(3marks)**
  - v. population dynamics **(3marks)**
3. a. Highlight **four** factors which automatically pave way for serious parasite-disease outbreak in wildlife population **(4marks)**  
  
b. State **four** bacterial, viral and parasitic diseases each of wildlife which are of importance in their conservation and management **(6marks)**  
  
c. Discuss anthrax and rabies diseases in terms of their causes, symptoms and their importance in wildlife conservation and management **(5marks)**

4. a. Explain wildlife management/conservation problems in Nigeria **(10marks)**
  - b. What is ecotourism? **(2marks)**
  - c. What are the constraints to ecotourism in Nigeria? **(3marks)**
5. a. Highlight **ten** objectives of forest policies in Nigeria **(10marks)**
  - b. Briefly explain Nigeria's concern for the preservation of her indigenous wildlife via her conservation policy **(5marks)**