



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: BIO412
COURSE TITLE: WILDLIFE ECOLOGY AND CONSERVATION

TIME ALLOWED: 2HOURS

INSTRUCTION: ANSWER QUESTION 1 (COMPULSORY) AND ANY OTHER THREE QUESTIONS.

1. a. Discuss the general principles of wildlife management **(15marks)**
b. Outline the principles of sustainable management of the ecosystem **(10marks)**
2. 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 **(10marks)**
3. 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)**
4. a. Briefly explain **four** factors which automatically pave way for serious parasite-disease outbreak in wildlife population **(4marks)**

b. Mention **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)**
5. a. Explain wildlife management/conservation problems in Nigeria **(10marks)**
b. What is ecotourism? **(2marks)**

- c. What are the constraints to ecotourism in Nigeria? **(3marks)**

- 6. 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)**