



NATIONAL OPEN UNIVERSITY OF NIGERIA

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

Department of Pure and Applied Sciences

END OF SECOND SEMESTER EXAMINATION 2021

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

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