



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja

Faculty of Sciences

Department of Pure and Applied Sciences

SEPTEMBER 2020_1 EXAMINATION

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 Outline the general principles of ecosystems management (10 marks)
- 1b Explain the meaning of ecosystem management and sustainable development (12 marks)

- 2a What is an Ecosystems? (6 marks)

- 2b What are the pressing environmental issues of the country under New Partnership for Africa's Development (NEPAD)? (6 marks)

- 3a Describe the adaptive features of forest plants that make them successful in their environment? (10 marks)
- 3b Name four wild animals that live in the tropical forest? (2 marks)

- 4 Explain any four of the following: (12 marks)
 - i. Population Dynamics
 - ii. Biotic potentials
 - iii. Biotic factors
 - iv. Ecological disturbances
 - v. Ecological succession

- 5a What are the beneficial effects of forestry on wildlife ? (4 marks)
- 5b What are the Influences of wildlife on forestry? (8 marks)

- 6 What are the Constraints to ecotourism in Nigeria? **Discuss** (12 marks)