



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, NnamdiAzikiwe Expressway, Jabi - Abuja

Faculty of Sciences

Department of Pure and Applied Sciences

2020_2 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 Explain the concept of ecosystem management. **6 marks**
- 1b Discuss a Conservation policy. **8 marks**
- 1c Describe the principles of sustainable management of the ecosystems. **8 marks**
- 2 Give a detailed description of the following types of ecosystems:
- i. terrestrial **4 marks**
- ii. Wetlands and aquatic **8 marks**
- 3a Enumerate the adaptive features make plants survival easier in terrestrial environment. **6 marks**
- 3b List and describe with examples any three types of Animals that live in Rainforest **6 marks**
- 4 Briefly discuss the Influences of the following:
- i. forestry on wildlife **6 marks**
- ii. wildlife on forestry **6 marks**
- 5 Write short notes on each of the following:
- a) Population Dynamics **4 marks**
- b) Biotic potentials **3 marks**
- c) Ecological succession **5 marks**
- 6a Itemize the six (6) causes of threat to wildlife resources in Nigeria **6 marks**
- 6b. Ecological disturbance is an important phenomenon in ecosystems. Discuss **6 marks**