



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**FACULTY OF AGRICULTURAL SCIENCES**  
Km 4 Kaduna-Zaria Expressway Rigachikun, Kaduna  
**DEPARTMENT OF CROP AND SOIL SCIENCES**

**COURSE CODE: AGB 404**

**COURSE TITLE: BIO-RESOURCE MANAGEMENT**

**TOTAL CREDIT UNITS: 3 CU**

**INSTRUCTIONS:** Answer five questions in all. Question ONE is compulsory (30 marks). The rest carry 10 marks each.

**TIME ALLOWED:** 3 hours

- 1) (a) Explain in detail, the results of ecosystem functions (10 marks)  
(b) What is the focus of the Nigerian government on bio-resource management.(10 marks)  
(c) Mention the main constraints to bio-resource management in Nigeria (10 marks)
- 2) Explain in detail the effects of Bad Management Practices in relation to genetic erosion in Nigeria (10 marks)
- 3) (a) Most of the Causes of genetic erosion in Nigeria are agriculturally related. Identify these agriculturally related causes of genetic erosion in Nigeria (10 marks)  
(b) What are the effects of genetic erosion in Nigeria (10 marks)
- 4) Give explanatory notes on how to manage genetic erosion (10 marks)
- 5) (a) What do you understand by germplasm conservation (5 marks)  
(b) Justify the need for germplasm conservation (5 marks)
- 6) In the management of bio-resources in Nigeria, a number of conservation agencies have been established.  
(a) Advance reasons for their establishment (5 marks)  
(b) List five (5) of those agencies (5 marks)
- 7) (a) Mention five (6) game reserves in Nigeria (6 marks)  
(b) List four (4) forest reserves in Nigeria (4 marks)