



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

**COURSE CODE: AGB 404**

**COURSE TITLE: BIO-RESOURCE MANAGEMENT**

**TIME: 2 ½ hours**

**INSTRUCTION: Answer any five questions**

1. a) Explain the origin of biodiversity  
(b) List the levels of biodiversity  
(c) Write short notes on any two types of biodiversity
2. (a) List the attributes of an ecosystem  
(b) Write short notes on any two of the attributes of the ecosystem  
(c) How can the web of life be sustained?
3. (a) Briefly discuss the status of biodiversity in the Nigerian ecosystem.  
(b) How are ecosystems assessed?
4. Discuss briefly the major causes of genetic erosion in:  
(a) Animal species  
(b) Plant species
5. (a) What is germplasm?  
(b) Name places where germplasm can be properly preserved.  
(c) What are the direct causes of genetic erosion
6. (a) Discuss briefly any four obstacles to the effective use of germplasm  
(b) Write short notes on ecosystem function.
7. (a) Define bio-resource management  
(b) What strategy can Nigeria adopt to ensure that her rich biological endowment together with the diverse ecosystem are secured?