



NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16, Ahmadu Bello Way, Victoria Island

SCHOOL OF SCIENCE AND TECHNOLOGY
October, 2013 Examination

COURSE CODE: AGB 404
3 Hrs

TIME ALLOWED:

COURSE TITLE: BIO RESOURCES MANAGEMENT

INSTRUCTIONS: i. Answer Five questions in all
ii. All questions attract equal marks

- 1 (a) Discuss the various uses of Biodiversity. **(15 marks)**
(b) Explain the indicators of biotechnological achievements. **(5 marks)**
- 2 (a) Expatiate on the management of genetic erosion. **(15 marks)**
(b) What are the benefits of using biotechnology in forestry? **(5 marks)**
- 3 (a) Plant biotechnology is of numerous benefits. Discuss. **(15 marks)**
(b) What are the primary attributes of an ecosystem **(5 marks)**
- 4 (a) Categorize the traits plant species are permitted to have, through gene alteration unachievable by traditional plant breeding. **(10 marks)**
(b) The effective use of germplasm is not without obstacles. Discuss. **(10 marks)**
- 5 (a) Assume you have been invited by Enugu State Ministry of Agriculture to explain the various approaches that are adopted to control and manage biodiversity, what would you say? **(15 marks)**
(b) what are the risks of using plant biotechnology in forest production? **(5 marks)**
- 6 Elaborate on the direct and in-direct causes of genetic erosion. **(20 marks)**
- 7 (a) Explain how new advances in biotechnological have the potential to produce a variety of products in the future. **(10 marks)**

(b) What are the levels of biodiversity?

(5 marks)

(c) Enumerate on germplasm storage centres.

(5 marks)