



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
OCTOBER, 2019_2 EXAMINATIONS

COURSE CODE: ESM 328

COURSE TITLE: BIODIVERSITY CONSERVATION

CREDIT: 2 Units

TIME ALLOWED: 2 Hours

Instruction: Attempt question number ONE (1) and any other THREE (3) questions. Question number one (1) carries 25 marks, while the other questions carry (15) marks each.

- 1a. Differentiate between the known types of species. **(4marks)**
1b) Name any three important commercial woods with their native land of growth **(4marks)**
1c) The three general categories of measures for conserving biological diversity of forest are? **(3marks)**
1d) Explain the concept of 'Habitat destruction' and fragmentation. **(8marks)**
1e) Distinguish between biological diversity and landscape diversity. **(2marks)**
1f) Differentiate between climate change and global warming. **(4marks)**
- 2a) What is biodiversity? **(1mark.)**
2b) An Earth summit was held in Rio de Janeiro, Brazil on June 5th 1992 for the conservation of biodiversity. Outline the aim of the protocol scope and duties of the contracting parties as regards conservation of biodiversity. **(14marks)**
- 3a) Highlight the four sources of threat to Africa's biodiversity. **(4marks)**
3b) Discuss extensively the reasons why invasion by alien species is a problem to biodiversity. **(6marks)**
3c) State the human causes of species loss **(5marks)**
- 4) List and explain any five methods of conserving biological diversity **(15 marks)**
- 5a) What is 'Environmental pollution'? **(2marks)**
5b) Explain the concept of climate change. **(3marks)**
5c) Discuss the economic importance of tropical forest. **(4marks)**
5d) How does the environment benefit from tropical forest? **(4marks)**
5e) Why is the forest important to human health? **(2marks)**