



**National Open University of Nigeria**  
**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja**  
**Faculty of Science**  
**APRIL/MAY, 2019 EXAMINATIONS**

**COURSE CODE: ESM 328**

**COURSE TITLE: BIODIVERSITY CONSERVATION**

**CREDIT: 2 Units**

**TIME ALLOWED: 2 Hours**

**Instruction:** Attempt question ONE (1) and any other THREE (3) questions.

b

1. (a). Differentiate between ‘biodiversity’ and ‘species’ **(4 marks)**  
(b). Account for the reasons why some communities are more diverse than others **(6marks)**  
(c). Outline any five habitat diversities in West Africa **(5marks)**  
(d). Explain the effects of climate change on biodiversity **(10marks)**
2. (a). Differentiate between global warming and climate change **(3marks)**  
(b). Discuss the benefits of tropical forests system to the economy of Africa **(12marks)**
3. (a). List the various ways of conserving biological diversity **(3marks)**  
(b). With relevant examples account for the causes of biodiversity loss in Africa **(12marks)**
4. (a). Account for the human factors responsible for climate change **(6marks)**  
(b). Explain the three broad strategies in which biological mitigation of greenhouse gases can occur **(9marks)**
5. (a). What do you understand by the term “Environmental Pollution” **(3marks)**  
(b). Explain any three methods of waste management being applied by industrial establishments **(12marks)**