

**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)**

1. (a). Differentiate between global warming and climate change **(3marks)**

(b). Discuss the benefits of tropical forests system to the economy of Africa

 **(12marks)**

1. (a). List the various ways of conserving biological diversity **(3marks)**

(b). With relevant examples account for the causes of biodiversity loss in

 Africa **(12marks)**

1. (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)**

1. (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)**