



**National Open University of Nigeria**  
**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja**  
**Faculty of Science**  
**September, 2020\_1 EXAMINATION**

**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) Describe the 4 types of species. **(8 marks)**
- 1b) How can forest management operations affect biodiversity? **(10marks)**
- 1c) Explain the effects of climate change mitigation strategies of planting native tree species on biodiversity **(7marks)**
  
- 2a) What is climate change? **(5marks)**
- 2b) Examine the biodiversity benefits of controlling deforestation and forest degradation. **(8marks)**
- 2c) Mention the Four important commercial woods found in the Tropical forests **(2marks)**
  
- 3) Examine the impact of climate change on biodiversity. **(15marks)**
  
- 4a) Discuss fossil fuels as one of the human influences on climate change. **(5marks)**
- 4b) What are the practices responsible for the rapid degradation and loss of biological resources in Western Africa.? **(5marks)**
- 4c) How is wetlands ecosystem threatened in West Africa? **(5marks)**
  
- 5a) How can greenhouse gases propel climate change? **(10marks)**
- 5b) Outline 5 factors that tend a species toward endangerment **(5 marks)**