



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
2023_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) Various articles were signed in the Earth Summit held in Rio de Janeiro, Brazil on June 5, 1992. Highlight the duties of the contracting parties as contained in Article 2 of the Protocol **(13marks)**
- 1b). Give 5 methods proposed for conserving biological diversity **(5marks)**
- 1c) State the three general categories of measures for conserving biological diversity of forest **(3marks)**
- 1d) Define Industrial pollutants **(4marks)**

- 2a) How is Glaciation one of the most sensitive indicators of climate change? **(8marks)**
- 2b) Outline the environmental benefits of tropical forests. **(7marks)**

- 3a) Explain the effect of landuse on local climate. **(11marks)**
- 3b) List 5 heavy metals **(4marks)**

- 4a) Explain the effect of industrial pollution on biodiversity **(6 marks)**
- 4b) Describe Solar variation as a factor driving climate change **(9marks)**

- 5a) State the effects of Land filling on the environment. **(5marks)**
- 5b) Africa's biodiversity is under threat from four main sources, describe these sources. **(4marks)**
- 5c) Examine Habitat Destruction and Fragmentation as causes of Biodiversity loss (**6marks**)