



NATIONAL OPEN UNIVERSITY OF NIGERIA

UNIVERSITY VILLAGE, PLOT 91 CADASTRAL ZONE, NNAMDI AZIKWE

FACULTY OF SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCE

2024_2 EXAMINATION

COURSE CODE: ESM 328

TIME: 2 HOURS

COURSE TITLE: BIODIVERSITY CONSERVATION

CREDIT UNIT: 2

Instruction: Attempt question number ONE (1) and any other TWO (2) questions. Question number one (1) is compulsory and carries 30 marks, while the other questions carry equal marks (20) each.

- 1a. Differentiate between Biodiversity and species. Explain why some communities are **More diverse** than others **(10 marks)**
- 1b. Highlight **ten** environment benefits of tropical forests **(20marks)**
- 2a. What do you understand by Mitigation and adaptation **(5marks)**
- 2b. Name **ten** biological resources practices in Western Africa that have been rapidly degraded and lost **(10marks)**.
- 2c. Mention any **5** Western Africa countries that have **deforestation rates** of more than 2% per year **(5marks)**.
3. Discuss pollution control to biodiversity conservation **(20marks)**.
- 4a. Write short note on climate change **(5marks)**.
- 4b. Explain the **three** changes within the earth's environment that can affect the climate **(10marks)**.
- 4c. Enumerate **five** ways humans influence climate change **(5marks)**
5. Discuss the **impacts of plantations** on the impacts of climate change mitigation on Biodiversity conservation **(20marks)**