



NATIONAL OPEN UNIVERSITY OF NIGERIA
UNIVERSITY VILLAGE, PLOT 91 CADASTRAL ZONE, NNAMDI AZIKWE
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE

2024 1 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. Critically examine the high demands for biological resources of animal and plant species
(15marks)
- 1b. Differentiate between biological diversity, landscape and landscape diversity (10marks)
- 1c. Give the **five** effects of acid rain (5marks)

- 2a. Narrate the ultimate causes of habitat loss in Africa (15marks)
- 2b. Name **five** animal species currently threatened with extinction in Nigeria (5marks)

3. Explain any **five** forms of conservation methods of conserving biological diversity
(20marks)

- 4a. Describe the **three** methods of waste minimisation practises (10marks).
- 4b. Mention **seven** heavy metals chemical pollutants of industries **and** three hydrocarbon pollutants of petroleum (10marks).

- 5a. Name the **five non-** climate factors that drives climate change (5marks)
- 5b. Discuss sustainable management and conservation of biodiversity in West Africa
(15marks)