



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)

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| A | 30 | 70 | 75 | 360 |
| B | 40 | 100 | 160 | 300 |
| C | 50 | 150 | 250 | 960 |
| D | 15 | 33 | 180 | 291 |

(20 marks)