



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja

COURSE CODE: ESM 328

COURSE TITLE: BIODIVERSITY CONSERVATION₁₂₃₄

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.

- QUESTION 1 a. Define Biodiversity with relevant examples.
b. Itemize practices that constitute threat to biological resources.
c. Mention the push factors that promote biological resources degradation.
d. What are the causes of forest fragmentation?

- QUESTION 2 a.. With two examples each, mention two dimensions of biological diversity.
b.. State three characteristics of biodiversity.
c.. Define specie from biological perspective.

- QUESTION 3 a. Enumerate the values of wetlands.
b. Mention the activities that pose threat to wetlands.
c. State the factors that promote threat to wildlife in West Africa.

- QUESTION 4 a. Explain the economic value of biological resources.
b. List the resourcefulness of the woody species of the tropical rainforest.
c. Enumerate the environmental significance of trees.

- QUESTION 5 a. Mention three (3) ways of conserving forest biological diversity.
b. Explain any one (1) of the ways mentioned above.
c. Briefly explain the following biological conservation methods
i. Government initiatives
ii. Voluntary protection