



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
2023_2 EXAMINATIONS

COURSE CODE: ESM 426

COURSE TITLE: Biogeography

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. Write explanatory notes on the following ecological concepts.

- a. Parasiticism.(5marks)
- b. Prediation.(5marks)
- c. Antibiosis.(5marks)
- d. Commensalism.(5marks)
- e. Mutualism.(5marks)

QUESTION 2 a. Explain dispersal of population in ecological studies. (7.5marks)
b. Outline and explain three types of dispersal of population. (7.5marks)

QUESTION 3 a. Discuss intra-specific competition in ecological studies. (7marks)
b. Mention four factors that promote intra-specific competition in an ecosystem.
(8marks)

QUESTIONS 4. Briefly explain any two of the following concepts in the study of ecology.
a. Ecotones. (5marks)
b. Ecosystem stability. (5marks)
c. Ecosystem fragility. (5marks)

QUESTION 5 a. Explain the term biotic community of species. (7.5marks)
b. Describe ecological succession. (7.5marks)