



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
2021_1 EXAMINATION

COURSE CODE: ESM426

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

In sufficient details, explain the concept of ecological succession (25 marks)

Question 2

Explain ecosystem stability (15 marks).

Question 3

Justify the rationale of primary gross productivity in plants in relation to energy flow (15 marks)

Question 4

- a. Write short note on population density (9 marks)
- b. Mention and explain types of population dispersal (6 marks)

Question 5

In general terms, discuss the grassland ecosystem (15 marks)