



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
APRIL/MAY, 2019 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

- Q1a. List the main types of tropical forest (2 mark)
- ii. Outline three characteristics of tropical forest (1.5 marks)
 - iii. Enumerate four importance of forest to man (2 marks)
- bi. List four factors affecting desert ecosystem (2 marks)
- ii. State three ecological characteristics of desert lands. (1.5marks)
 - iii. Mention four groups of plants found in the hot desert (2 marks)
- c. Attempt the various definitions of ecosystem (2 marks)
- ii. Highlight two components of ecosystem (3 marks)
- d. Explain briefly the following terms used in ecosystem studies:
- i. Pre- reproduction age (1mark)
 - ii. Reproduction age (1 mark)
 - iii. Post reproduction age (1 mark)
- e. What do you understand by the term species population? (2 mark)
- ii. Enumerate the characteristics of species population (2 marks)
 - iii. State three types of dispersal of population (2 marks)
- Q2a. Define competition according to ecosystem studies. (3 marks)
- b. Discuss the various forms of competition between organisms. (12 marks)
- Q3a. Discuss the various stages of ecological succession. (9 marks)
- b. Differentiate between ecosystem stability and fragility (6 marks)
- Q4a. Describe the factors influencing the distribution of grassland ecosystem (9 marks)
- b. Highlight the main characteristics of grassland ecosystem (6 marks)
- Q5a. Write explanatory notes on the Ecology of Cold Desert. (9 marks)
- b. Enumerate on the factors limiting marine ecosystem productivity. (6 marks)