



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

OCTOBER/NOVEMBER 2016 EXAMINATION

COURSE CODE: BIO 308

COURSE TITLE: BIOGEOGRAPHY

TIME ALLOWED: 2 Hours

INTRUCTION: QUESTION ONE IS COMPULSORY AND ANY OTHER THREE QUESTIONS.

1. a. Define and discuss the term: Biogeography **(6marks)**.
b. Why is biogeography considered to be a part of physical geography? **(2marks)**.
c. What are the three main fields of biogeography? Briefly explain each of these fields. **(9marks)**
d. Give a brief account of the historical development of biogeography **(8marks)**
2. a. Discuss the relationship between climate and vegetation. **(5marks)**.
b. Briefly explain the interaction between climate and vegetation in Sahara/Sahel region. **(5marks)**.
c. Outline the relationship between climate and vegetation using Nigeria as a case study **(5marks)**.
3. a. Briefly, outline the relationship between soil types and vegetation. **(5marks)**.
b. Different types of vegetations give rise to different forms of organic matter in soils. Mention the **five (5)** different soil processes involved and the relative defining soil characteristics respectively. **(5marks)**
c. Explain how the humus contents of soils affect the growth of plants. **(5marks)**
4. a. List **four** factors affecting dispersal of animals and plants. Discuss each of these factors **(9marks)**.
b. State **six** principles of animal distribution. **(3marks)**

c. Floristic regions of the world are grouped into **six** kingdoms. Mention these kingdoms. **(3marks)**.

5. a. Mention the **six** Zoogeographic provinces globally **(3marks)**.
b. Discuss the concept of “Island Biogeography”. **(10marks)**.
c. Identify any **four** factors that influence “Island Biogeography”. **(2marks)**.
6. a. Outline the common characteristics of tropical trees **(3marks)**.
b. State any four features that differentiate tropical trees from that of the temperate forest? **(2marks)**.
c. Mention **six (6)** tropical types of faunas; outline their features. **(6marks)**
d. Differentiate between tropic and temperate regions **(4marks)**