



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja

Faculty of Science

JUNE/JULY 2017 EXAMINATION

COURSE CODE: BIO 308

COURSE TITLE: BIOGEOGRAPHY

TIME ALLOWED: 2 Hours

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

1. a. Discuss what you understand by Biogeography **(6marks)**.
b. Give reasons why biogeography can be considered to be a part of physical geography? **(2marks)**.
c. List the three main fields of biogeography? Explain each of these fields. **(9marks)**
d. Highlight the principles of animal distribution **(5marks)**
e. . Floristic regions of the world are grouped into **six** kingdoms. Mention these kingdoms. **(3marks)**.
2. 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)**.
3. 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)**
4. 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)**.

5. 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)**