



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: BIO308
COURSE TITLE: BIOGEOGRAPHY

TIME ALLOWED: 2 Hours

INSTRUCTION: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER THREE QUESTIONS.

1. a. Explain the term: Biogeography? **6marks.**
b. Why is biogeography considered to be a part of physical geography? **5marks.**
c. Mention the three main fields of biogeography. Briefly explain each of these fields. **14marks**
2. a. Explain the relationship between climate and vegetation. **5marks.**
b. Briefly explain the interaction between climate and vegetation in Sahara/Sahel region. **10marks.**
3. a. Briefly outline the relationship between soil type and vegetation. **5marks**
b. Different types of vegetations give rise to different forms of organic matter in soils. Mention the **five** different soil processes involved. **5marks**
c. Explain how the humus contents of soils affect the growth of plants. **5marks**
4. a. List **eight factors affecting dispersal of animals and plants.** **4marks.**
b. **Outline six principles** of animal distribution. **6marks**
c. Floristic regions of the world are grouped into **six** kingdoms. Mention any **five** of these kingdoms. **5marks.**
5. a. Mention the **six** Zoogeographic provinces? **3marks.**
b. Briefly explain the concept of “Island Biogeography”. **5marks.**
c. State the theory of “Island Biogeography”. **2marks.**
d. Identify any **five** factors that influence “Island Biogeography”. **5marks.**
6. a. Outline the common characteristics of tropical trees. **5marks**
b. what are the features that differentiate tropical trees from that of the temperate forest? **5marks.**
c. Mention five tropical faunas. Outline their features. **5marks**