



**NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JANUARY/FEBRUARY 2013 EXAMINATION**

BIO 308: BIOGEOGRAPHY EXAMINATION

**INSTRUCTION: ANSWER ONLY 4 QUESTIONS
TIME: 2 HOURS**

1. a. Define Biogeography.
b. Why is biogeography considered to be a part of physical geography?
c. Mention the three main field of biogeography. Briefly explain each of these fields.
2. a. Outline the common characteristics of tropical trees.
b. How are tropical trees different from that of the temperate forest?
c. Mention five tropical faunas. Outline their features.
3. a. What are the factors affecting dispersal of animals and plants?
b. State five principles of animal distribution.
c. Floristic regions of the world are grouped into six kingdoms. Mention these kingdoms.
4. a. Mention the Zoogeographic provinces?
b. Briefly explain the concept of "Island Biogeography".
c. State the theory of "Island Biogeography".
d. What are the influencing factors on "Island Biogeography".
5. a. Explain the relationship between climate and vegetation.
b. Briefly explain the interaction between climate and vegetation in sahara/sahel region.
6. a. Briefly outline the relationship between soil type and vegetation.
b. Different types of vegetation give rise to different forms of organic matter in soils .Mention the different soil processes.

**c. The humus contents of soils also affect the growth of plants.
Explain briefly.**

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