

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja**

**Faculty of Sciences**

**Department of Pure and Applied Sciences**

**April/May, 2019 Examinations**

**COURSE CODE: BIO 308 (2 CREDIT UNITS) TIME ALLOWED: 2HOURS**

**COURSE TITLE: BIOGEOGRAPHY**

**INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER THREE QUESTIONS.**

1a Give a brief historical development of Biogeography (10marks)

1b Describe any three major common characteristics of tropical trees (12marks)

1c List any three floristic Subkingdoms of the Paleotropical Kingdom (3 Marks)

2a Explain the meaning of historical biogeography? (3marks)

2b Describe the process of seed dispersal under the following headings:

i Animals dispersal (3marks)

ii Wind dispersal (3marks)

iii Water dispersal (3marks)

iv Gravity dispersal (3marks)

3a Outline any three means of Animal dispersals (3marks)

3b List and explain the four main factors affecting dispersal of organisms (12marks)

4a Enumerate the major differences between tropical and temperate Flora (8marks)

4b Enumerate any seven factors influencing Island Biogeography (7Marks)

5a Give a general description of the floristic Paleotropical Kingdom (6marks)

5b Briefly, discuss the Theory of Island Biogeography (9Marks)