



**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)