



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**UNIVERSITY VILLAGE, PLOT 91 CADASTRAL ZONE, NNAMDI AZIKIWE**  
**EXPRESS WAY, JABI - ABUJA.**  
**FACULTY OF SCIENCE**  
**Department of Biological Sciences**  
**2025\_2 EXAMINATIONS**

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**BIO 308:** Biogeography

**TIME:** 2Hours

**CREDIT UNITS:** 2

**INSTRUCTION:** Attempt THREE (3) questions in all. Question 1 is compulsory

- 1a. Explain the term 'biogeography' (2 marks)  
1bi. List and explain any four (4) branches or types of distribution (8 marks)  
bii. Discuss the unique dominant plants flora of the Western Cape in South Africa (10 marks)
- c. Discuss zoogeography and mention its six (6) major regions (10 marks)

**Total 30 marks**

- 2a. Enumerate ten (10) factors that affect the biogeography of an islands (10 marks)  
b. Discuss Island biogeography and provide its historical antecedent (10 marks)

**Total 20 marks**

- 3a. Using level of rainfall as a standard, enumerate vegetative zones in Nigeria (10 marks)  
b. In each region of the Antarctic in South Africa kingdom, state ideally the location of four (4) regions and five (5) genera of endemic plants (10 marks)

**Total 20 marks**

- 4a. Discuss the location of South African Kingdom and explain their floristic regions (10marks)  
b. Discuss the neotropical region and explain their major ecological regions (10marks)

**Total 20 marks**

- 5a. Explain the mechanism of plant endemism (5 marks)  
b. Discuss the origin of paleotropical plant families (15 marks)

**Total 20 marks**