



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science

DEPARTMENT OF BIOLOGICAL SCIENCES
2024 I EXAMINATION-

COURSE CODE: BIO 308

COURSE TITLE: BIOGEOGRAPHY

CREDIT UNIT: 3

TIME ALLOWED: 3 HOURS

INSTRUCTION: ANSWER QUESTION ONE (1) AND ANY OTHER THREE (3) QUESTIONS

- 1a. What are Conservation biogeography and Biogeographic regionalization ? (4mrks)
- 1b. Describe Tropical region with relevant illustration. (8 mrks)
- 1c. Given the following animals; Toucans, Boa Constrictors, Golden Lion Tamarin and Jaguar, provide their features in a tabular form (10 mrks).
- 1d. List the barriers that affect the distributions of fauna and flora. (3 mrks)

- 2a. Discuss the Geography of Mediterranean Basin. (8mrks)
- 2b. Provide ways through which animals cross across filter bridges. And Justify by using relevant examples how birds serve as agents of animal dispersal. (7mrks)

- 3a. Justify reason why neotropical kingdom is the most diverse. Name two (2) animal and plant groups restricted to the kingdom (6mrks)
- 3b. Describe the Antarctic kingdom in terms of location. And deduce why Tasmania is omitted among antarctic kingdom. (9mrks)

- 4a. What are the Zoogeographic provinces ? Provide examples of zoogeographic regions separated by humidity and temperature. (8mrks)
- 4b. Describe Sclaters work on zoogeography and taxonomic relationships. (7mrks)

- 5a. Give an account of the Subregions in the Neotropical Region. (10mrks)
- 5b. Explain the relationship between vegetation and climate.(5mrks)

- 6a. Explain the Relationship between soil type and vegetation. (5mrks)
- 6b. How do soil particle sizes affect the water and nutrient availability to plants?(10mrks)