



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

DEPARTMENT OF BIOLOGICAL SCIENCES
2024_2 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. State the aim of Biogeography and Mention the branches (5mrks)
- 1b. Discuss the Common characteristics of tropical trees. (12mrks)
- 1c. Derive the connecting climates between the borders of north temperate zone and south temperate zone? (3mrks)
- 1d. Explain the relationship between vegetation and climate. (5mrks)
- 2a. Given the following zones; Australia, Canada and United states, Europe and China. Write two (2) animals found in every zone, in a tabular form (9mrks).
- 2b. State the significance of dispersal and infer the adaptation of the immature fruits for journey of life. (6mrks)
- 3a. Expound why Conservation International designates Mediterranean Basin region as a biodiversity hotspot. (6mrks)
- 3b. Describe Saharo-Arabian region with emphasis on the following features; distribution, flora and Endemism. (9mrks)
- 4a. Explain the concept of zoogeography and Distinguish between earlier and modern study of zoogeography. (9mrks)
- 4b. Describe the unique dominant plant flora of the Western Cape (6mrks)
- 5a. Give an account of the fauna of Australian Region (12mrks)
- 5b. Describe anthropogenic factors that created the guinea savannah belt (3mrks)
- 6a. Describe the modification of Island Biogeography theory. (12mrks)
- 6b. Justify larger islands contain more species. (3mrks)