

**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
SCHOOL OF SCIENCE AND SCIENCE EDUCATION  
DEPARTMENT OF GEOGRAPHY**

**SECOND SEMESTER 2009/2010 SESSION UNDERGRADUATE EXAMINATION**

**COURSE CODE:** GRY322 (2 Units)

**COURSE TITLE:** BIOGEOGRAPHY

**INSTRUCTIONS:** Answer any four (4) questions of your choice. Credit will be given for the use of specific examples and appropriate diagrams.

**TIME ALLOWED:** 2½ Hours

1. Discuss any 3 of the following:
  - a. Mutation
  - b. Natural selection
  - c. Migration
  - d. Genetic drift
2. Discuss the main features of any 3 Biomes of the world
3. Explain the basic concept of biological diversity.
4. What environmental factors may influence the diversity of plants and animals in a region.
5. Discuss fire as an important factor in ecological succession.
6. With the aid of good diagrams, discuss any two of the following concept
  - a. Nitrogen cycle
  - b. Water cycle
  - c. Carbon cycle