

FEDERAL UNIVERSITY OF TECHNOLOGY
SCHOOL OF SCIENCE AND SCIENCE EDUCATION
DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER EXAMINATIONS 2011/2012 SESSION

Course Code: GRY 515

Course Title: Climate Change and Variability

Time Allowed: 2 Hours 30 mins

Instructions: Answer any four questions of your choice. All questions carry equal marks. Credit will be given for use of specific examples and appropriate diagrams.

1. (a) Give a conceptual definition of Climate Change.
(b) Account for the main causes of Global Climate Change.
2. With the aid of an annotated diagram, describe the Climate System.
3. Identify and discuss the key areas in which Climate Change Impact on Water Resources in Nigeria.
4. Outline and discuss the major indicators of Global Climate Change
5. Write explanatory notes on any three of the following:
 - (a) Climate Change Variability
 - (b) Climate Change Mitigation
 - (c) Vulnerability to Climate Change
 - (d) Carbon Development Mechanism.
 - (e) Major Greenhouse Gases
6. (a) Explain Climate Change Adaptation?
(b) Describe the Strategies by which a Farmer can adapt to a drought spell condition