

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: GRY 315 (3 Units)

COURSE TITLE: Climatology

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

TIME ALLOWED: 3 Hours

1. (a) Give a working definition of the concepts: weather and climate.
 (b) Differentiate between climatic elements and climatic factors and give three examples of each.
2. Give an account of the factors governing insolation distribution over the earth surface.
3. Write a comparative account of Koppen's *Am* and *Af* climates.
4. Outline and explain in details the process involved in the formation of rainfall.
5. With the aid of a sketch diagram, account for the global distribution of atmospheric pressure.
6. With the aid of good diagrams, explain the main features of the climate of West Africa.