

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

**FIRST SEMESTER 2013/2014 SESSION UNDERGRADUATE EXAMINATION**

**COURSE CODE:** GRY315 (3 units)

**COURSE TITLE:** Climatology

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

**TIME ALLOWED:** 2 1/2 Hours

1. Differentiate between Climatic elements and Climatic factors and give three(3) examples of each.
2. Write a comparative account of Koppen's Af and Aw climates.
3. Outline and explain the processes involved in the formation of rainfall.
4. With the aid of a sketch diagram, account for the global distribution of Atmospheric pressure.
5. Give a detailed explanation of the factors governing the distribution of insolation on the earth surface.
6. Write explanatory notes on any three(3) of the following;
  - (a) The Greek classification of climate
  - (b) Air masses and their classification
  - (c) Atmospheric humidity
  - (d) The Koppen's Cs climate.