

**FEDERAL UNIVERSITY OF TECHNOLOGY**  
**SCHOOL OF SCIENCE AND SCIENCE EDUCATION**  
**DEPARTMENT OF GEOGRAPHY**  
**FIRST SEMESTER EXAMINATIONS 2011/2012 SESSION**

**Course Code:** GRY 315

**Course Title:** Climatology

**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.

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1. (a) Define in your own words the concepts of 'Weather and Climate'  
  
(b) Differentiate between climatic elements and climatic factors. Give three examples of each.
2. Give a detailed explanation of the factors governing the distribution of Insolation on the Earth's surface.
3. Outline and explain the processes involved in the formation of Precipitation
4. Write a comparative account of koppen's Af and Aw Climates.
5. With the aid of a good diagram, account for the global distribution of Atmospheric pressure.
6. With the aid of a good diagram, explain the main features of the Climate of West Africa.