

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

FIRST SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION

**COURSE CODE:** MET 517 (2 units)

**COURSE TITLE:** Tropical Meteorology and Current Weather

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

**TIME:** 2 Hours

1. Examine the role of weather measurement in climatological research.
2. Describe how you would assess the vulnerability of an area known to you to the effect of climate change.
3. Review recent advances in technology which are having tremendous impact on the observation and prediction of severe tropical weather systems.
4. Describe the linkages which are responsible for the occasioned occurrence of rainfall in northern Nigeria during winter with emphasis on the evolution and impacts of such processes.
5. Define the term tropics, and discuss the climatic boundaries of the tropics.