

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF SCIENCE AND SCIENCE EDUCATION

DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2010/2011 SESSION UNDERGRADUATE EXAMINATION

**COURSE CODE:** MET 517

**COURSE TITLE:** Tropical Metrology and Current Weather.

**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. When discussing temperatures, without further specification, it is normally understood that reference is made to condition near the earth's surface where mankind live. (expatiate). *Discuss the assertion*
2. Barry and charley 1976 Describe Tropical disturbance according to there space and time scale. (discuss them). *Discuss*
3. Write short note on the following.
  - a) Tropical cyclones
  - b) Thunder storm
  - c) Anti cyclones
  - d) Hurricanes
4. Discuss the thunderstorms that are in response to synoptic scale forcing.
5. Explain the distribution of the mean atmospheric vapour pressures which shows large difference in the tropics.
6. *Malkus* (Malkus, 1964) said that upward air movements in the tropics are often of higher speed but of shorter duration than in the mid latitudes. (Discuss).

*9/10/2011*  
*Ext. Examiner*