

**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA**  
**SCHOOL OF NATURAL AND APPLIED SCIENCES**  
**DEPARTMENT OF GEOGRAPHY**  
**SECOND SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION**

**Course Code:** MET 324(2 units)

**Course Title :** Instrumental Maintenance in Meteorology

**Instruction:** Answer any four questions of your choice.

**Time allowed;** 2hrs 30 mins.

- 1) Using examples, distinguish between weather measurement and weather estimation.
- 2) In what ways have weather satellites improved the quantity and quality of data available for research in climatology in recent years?
- 3) In comparison with conventional weather data, Meteorological satellites and radr provide different types of weather information. ELABORATE
- 4) Discuss the role of weather estimation in the climatologically research.
- 5) Briefly describe any two methods you would use to fit a trend line to a climate time series outlining their strength and weaknesses.
- 6) The science of climatology makes use of three groups of techniques, metrological, statistical geographical. Discuss.