

**Department of Geography**  
**Federal University of Technology, Minna**  
**First Semester 2015/2016 Academic Session**

**Course Code:** Rem 411

**Course Title:** Satellite Meteorology

**Duration:** Two Hours (2 Hrs)

**Instruction:** Attempt Any Four (4) Questions. All questions carry Equal Marks. Credit will be awarded for scholarly presentation of work, illustrations and citing of relevant examples.

1. Assess the comparative advantages of remote sensing satellites over conventional techniques in meteorological data acquisition.
2. Using specific examples, distinguish between polar orbiting and meteorological satellites.
3. Discuss the characteristics and the meteorological applications of NOAA AVHRR Satellite System.
4. Compare and contrast between active and passive sensors.
5. Describe any five (5) meteorological parameters derivable from satellite sensors.
6. Satellite acquired data has numerous application areas in Climatology. Examine any four (4) of these areas.