

**DEPARTMENT OF GEOGRAPHY**  
**FEDERAL UNIVERSITY OF TECHNOLOGY MINNA**  
**FIRST SEMESTER EXAMINATION 2011/2012 SESSION.**

**COURSE CODE: MET 313**

**COURSE TITLA: METEOROLOGICAL INSTRUMENT MAINTAINANCE AND FIELD STUDIES IN METEOROLOGY.**

**INSTRUCTION: ANSWER ANY FOUR QUESTIONS, THE USE OF RELEVANT DIAGRAMS AND ILLUSTRATION SHALL BE REWARDED.**

**TIME ALLOWED: 2 HOURS.**

1. Discuss the main aim of weather analysis over an area or a time period.  
(15mks)
2. Examine the major factor of instrumental observations in Nigeria. (15mks)
3. Outline the major principles of weather forecasting in meteorology.(15mks)
4. Examine poor visibility as a weather element that affects the aviation industry in Nigeria.
5. Explained the problems of weather forecasting in Nigeria. (15mks)
6. With the aid of a diagram explain the hydrological cycle.(15mks)