

DEPARTMENT OF GEOGRAPHY
SCHOOL OF SCIENCE AND SCIENCE EDUCATION
FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

FIRST SEMESTER EXAMINATION 2009/2010 SESSION

COURSE CODE: MET 313

COURSE TITLE – INSTRUMENTAL MAINTENANCE AND FIELD STUDIES IN METEOROLOGY

TIME ALLOWED: 2Hrs

INSTRUCTIONS: Answer ANY FOUR Questions

Credit will be given for illustration with relevant specific examples and diagrams

1. Name any one instrument used in the measurement of visibility and discuss how it is used at night.
2. Explain the merits and demerits of the standard evaporation tank and portable evaporimeters in use. How may the instruments be best cared for.
3. Critically examine the general requirements of meteorological instruments.
- 4a. Describe how the hygrometer is calibrated.
b. What are the errors to be found in Psychrometers?
5. Explain and discuss the relationship between the meteorological section and control tower section of Minna international airport.
6. Discuss the various stages of packaging and transporting of meteorological instrument from the factory to their destination.