

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF GEOGRAPHY

SECOND SEMESTER 2013/2014 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: MET 324

COURSE TITLE: Meteorological field studies and maintenance

INSTRUCTIONS: Answer any 4 questions. Credit will be given for the use of specific examples and relevant illustrations.

TIME ALLOWED: 2½ Hours

1. With the aid of diagram explain the plan position indicator and the range –height indicator of radar.
2. Enumerate and explain the specialized radiometers designed to measure special features of the atmosphere.
3. Discuss the various wavelength bands in which radiometers function.
4. Distinguish between weather estimation and measurement, and explain the approach in weather estimation.
5. Explained the difference between passive and active remote sensors.
6. Using Specific examples, examine the relative advantages and disadvantages of manual and self- recording (autographic weather instruments).

GOOD LUCK