

**DEPARTMENT OF GEOGRAPHY
SCHOOL OF PHYSICAL SCIENCE,
FEDERAL UNIVERSITY OF TECHNOLOGY MINNA,**

SECOND SEMESTER EXAMINATION 2014/2015

COURSE CODE: MET 324.

COURSE TITLE: METEOROLOGICAL FIELD STUDIES AND MAINTAINANCE.

INSTRUCTION: ANSWER QUESTIONS ONE AND ANY OTHER TWO QUESTIONS.

**CREDIT WILL BE GIVEN FOR THE USE OF SPECIFIC EXAMPLES AND
RELEVANT ILLUSTRATION**

TIME ALLOWED: 2HOURS 30MINUTE (2hrs/30mins)

1. Using Specific examples, explain the types of echo that represent cloud and other precipitation elements in a RADAR
2. Satellites that hover the earth surface give continuous coverage of the prevailing atmospheric conditions. Expatiate.
3. Enumerate and explain the meteorological parameters measurable by weather satellite.
4. Distinguish between Satellite derived data and conventional weather data.
5. Explain why we engage in weather estimation rather than measurement.