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DEPARTMENT OF GEOGRAPHY
SCHOOL OF SCIENCE AND SCIENCE EDUCATION
FEDERAL UNIVERSITY OF TECHNOLOGY MINNA
SECOND SEMESTER EXAMINATION 2010/2011 SESSION

COURSE CODE: MET 324

COURSES TITLE: METEOROLOGICAL INSTRUMENTAL FIELD STUDIES

INSTRUCTION: ANSWER ANY FOUR QUESTIONS. CREDIT WOULD BE AWARDED FOR USE OF RELEVANT EXAMPLES AND ILLUSTRATIONS.

TIME ALLOWED: 2 HOURS 30 MINUTES

1. With reference to specific example, discuss the view that satellite derived weather data are quite different in nature from weather data that are obtained from conventional weather stations.
2. Explain the weather satellite that carries various radiometers reflecting wave length bands that represent atmospheric parameters.
3. Explain with examples why there may be need to estimate values of weather parameters.
4. Examine the view by Freund and Williams (1966) that interpolation is the process of determining the value of a function between two known values of function.
5. Discuss the various techniques employed by climatologists in measuring weather parameters.
6. Discuss the criteria for selecting new site for a weather station.