

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

FIRST SEMESTER UNDERGRADUTE EXAMINATION 2014/2015
SESSION

COURSE CODE: GRY 226 (3 Units)

COURSE TITLE: Principles and Application of Remote Sensing

INSTRUCTION: Answer any four (4) questions of your choice. Credit would be awarded for use of illustration and relevant examples

Time allowed: 2 hours 30 min

1. Discuss the phenomena that take place when electromagnetic energy in the atmosphere is redirected from its original path.
2. With the aid of a well labeled diagram define and explain the electromagnetic spectrum.
3. a). Give an explanatory note on Atmospheric Window.
b). Describe the different types of platform .
4. a) Discuss the third (3rd) element of a remote sensing process
b). Give an account of the merit and demerit of remote sensing.
5. Differentiate between **any three** of the following;
 - a. Frequency and wavelength
 - b. Active and passive energy
 - c. Diffused and specular reflection
 - d. Imaging and non imaging sensor
 - e. Spatial and temporal resolution
6. Expatriate on the factors to be considered when choosing media for storage of data.