

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

**FIRST SEMESTER UNDERGRADUTE EXAMINATION 2013/2014
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. Identify and explain the advantages and disadvantages of remote sensing.
(15 marks)
2. State the phenomenon that takes place when electromagnetic energy travelling through the atmosphere is redirected from its original path. Explain the different types involved. (15 marks)
3. a. Define Atmospheric Window. (3 marks)
b. With the aid of a well labeled diagram describe the electromagnetic spectrum. (12 marks)
4. Enumerate and explain the different platforms you know. (15 marks)
5. Expatiate on the factors to be considered when choosing media for storage of data. (15 marks)
6. a. state what happens when energy strikes an object (target) on the earth surface. (3 marks)
b. Explain four elements of image interpretation. (12 marks)