

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

**SECOND SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION**

**COURSE CODE:** GRY 226 (3Units)

**COURSE TITLE:** Principles and Applications of Remote Sensing

**INSTRUCTION:** Answer any four questions, Credit will be given for the use of specific examples and relevant illustrations.

**TIME ALLOWED:** 2Hrs 30 mins

1. Discuss the mechanism that takes place when radiation interacts with the atmosphere.
2. With the aid of a well labeled diagram describe the electromagnetic spectrum.
3. Define a platform and describe the different types you know.
4. a. What do you understand by 'atmospheric window'?  
b. List and define five elements of image interpretation.
5. Discuss in detail the fourth element of a remote sensing process.
6. List and explain the factors to be considered when choosing media for recording data.