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

<u>**SECOND SEMESTER UNDERGRADUTE EXAMINATION 2019/20120 SESSION**</u>

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

1. Discuss the phenomena that takes place when electromagnetic energy in the atmosphere is redirected from its original path.

2. a). Using specific examples define and describe the electromagnetic spectrum.

   b)). Write an explanatory note on Atmospheric Window?

3. Define and describe the different types of platform

4. Using example, discuss five elements of image interpretation.

5. Differentiate between any **four (4)** of the following;

   a. Frequency and wavelength

   b. Active and passive Remote sensing

   c. Diffused and specular reflection

   d. Multispectral and Hyperspectral Remote sensing

   e. Spatial and temporal resolution

6. a). Describe the factors to be considered when choosing media for storage of data.

   b). Give an account of three (3) merits and demerits of remote sensing.