

**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF SCIENCE AND SCIENCE EDUCATION
DEPARTMENT OF GEOGRAPHY**

FIRST SEMESTER 2011/2012 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: REM 415P (3 Units)

COURSE TITLE: Geographic Information System

INSTRUCTIONS: Answer Question 1 and any three others (4 questions in all)

TIME ALLOWED: 2½ Hours

1. Discuss any three various statistical analysis techniques used in GIS.
2.
 - (a) Give a brief history of GIS.
 - (b) Explain what the future holds for GIS.
3. Discuss the Hardware and Software components of GIS.
4. Identify and explain the main functions of GIS.
5. Discuss the Raster and Vector data structures, giving the advantages and disadvantages of each for environmental applications.
6. Explain the data linkages between Remote Sensing and GIS.