

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

FIRST SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION

**COURSE CODE:** REM 517P (3 Units)

**COURSE TITLE:** Human Settlement Applications

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

**TIME ALLOWED:** 3 Hours

1. Discuss how Middle Urban Population Density could be modelled using remote sensing imagery.
2. Explain the Extra-urban impact of urban activities. How can such impact be monitored using remote sensing data?
3. Using any example case study carried out in Nigeria, discuss how land use dynamics at a regional scale could be mapped.
4. Explain how disease incidence could be mapped in and around an urban area.
5. Using temperature distribution data of an urban environment, explain how relief and land cover information could help in determining suitable areas for residences in a tropical environment.