

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

FIRST SEMESTER 2010/2011 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: REM 517 (2 units)

COURSE TITLE: Human settlement application

INSTRUCTIONS: Answer any four (4) questions of your choice. Credit will be given for the use of specific examples and appropriate diagrams.

TIME ALLOWED: 2 Hours

1. Examine fundamental settlement dynamics in Nigeria and its influence on landscape mapping.
2. Discuss the linkages between the rural and urban settlements in Nigeria.
3. Examine the use of remote sensing and GIS in mapping road transportation network of any urban centre in Nigeria.
4. Write on the application of remote sensing technique in estimation of population and census data in Nigeria.
5. Explain the processes involved in modeling a rural settlement in Nigeria using satellite imagery
6. Briefly discuss any case study of the use of remote sensing data in monitoring or mapping of electricity lines in any urban settlement in Nigeria.