

**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA**  
**SCHOOL OF SCIENCE AND SCIENCE EDUCATION**  
**DEPARTMENT OF GEOGRAPHY**  
**FIRST SEMESTER 2011/2012 SESSION UNDERGRADUATE EXAMINATION**

**COURSE CODE:** REM 413

**COURSE TITLE:** Natural Resource Evaluation

**INSTRUCTIONS:** Answer any four (4) questions. Credit will be given for relevant illustration and examples.

**TIME ALLOWED:** 2½ Hours

1. Attempt a justification of the use of remote sensing in natural resource evaluation and monitoring.
2. Describe the spectral characteristics of water body and account for its role in resource evaluation.
3. Discuss specific remote sensing applications for agricultural resource monitoring and management.
4. Critically examine the potentials of remote sensing in mineral resource evaluation and exploitation.
5. Compare and contrast the traditional forest inventory and remote sensing applications for forest inventory and monitoring.
6. Give an explanatory account of the features and factors of desertification in Northern Nigeria.