

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA.

DEPARTMENT OF GEOGRAPHY

SECOND SEMESTER EXAMINATION

2013/ 2014 SESSION

Course code: REM 524

Course Title: REMOTE SENSING IN DEVELOPMENT PROGRAM IN NIGERIA

Instructions: Answer any four question only

Time: 2 hrs

1. a) Account for the relevance of Remote sensing and GIS in the following fields/Agencies
 - NEMA
 - NIMET
 - NAMA
- b) Why is Space technology referred to as a tool for geo-spatial information acquisitions?
2. a) Explain the necessity that brought the establishment of centre for Remote sensing Jos and its achievement
- b) Explain why you have chosen remote sensing and not Meteorology as your area of specialization in Geography Department.
- 3 Write in details, areas where Nigeria Sat-1 images are relevant to; Forest resource and Range land Mapping, Disaster Management and Urban Land use planning
4. Nigeria Sat-2 space craft was launched with the sole mission of resource management and mapping of the Nigerian territory. List and discuss areas where this mission has been accomplished.
- 5 a) By 2012, Nigeria has two ground receiving stations, Describe their locations and achievements.
- b) Nigeria Sat-2 space craft is carrying 2 push broom imagers; describe the 2 imagers and their resolutions.
6. Today, accurate and detailed geo-spatial data can be generated from a variety of Earth observation Satellites, such as Nigeria Sat-1 and X. Account for the potential areas of socio-economic development where this Satellite data have been applied.

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