FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF PHYSICAL SCIENCES

DEPARTMENT OF GEOGRAPHY

SECOND SEMESTER 2015/2016 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: REM524

COURSE TITLE: Remote sensing in development programme in Nigeria (2units)

INSTRUCTION: Answer **any four** Questions (Credits will be given for proper usage of relevant illustrations and diagrams)

TIME ALLOWED: 2hrs

1. The centre of gravity for optimization, utility and sustainability of remote sensing and geospatial technology, lies in having a critical pool of technical personnel, who are skilled to take advantage of the growing technology. Some capacities in geospatial science exist in Nigeria but may not be optimally utilized or may require enhancement. Discuss

2. Discuss the achievements and describe the locations of the ground receiving stations in Nigeria.

3. Explain briefly the mutual benefits derived by Nigeria Sat-1 being member of Disaster Monitoring Constellation (DMC) Satellites.

4. Discuss Nigeria Sat-1 under the following headings:-

    i. Ground resolution

    ii. Sensors

    iii. Life Span

    iv. Any one case study

5. List three (3) National Space policy application Areas and also give examples of Areas/field of application

6. Explain the gains made from remote sensing and GIS by **any two** of these agencies.

    i. NAMA

    ii. NEMA

    iii. NIMET