

DEPARTMENT OF GEOGRAPHY
FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA.
FIRST SEMESTER EXAMINATION, 2011/2012 SESSION.

COURSE CODE: REM 313

COURSE TITLE: OPTICAL SYSTEM 1.

INSTRUCTION: ANSWER ANY FOUR QUESTIONS.

TIME ALLOWED: 2 HOURS

- 1a) Explain optical sensors with examples. 5MKS**
- b) What type of information is recorded by radar? 5MKS**
- 2) How does a photographic sensor record its data? 10MKS**
- 3a) Why are sensors regarded as “eyes” in the sky? 3mks**
- 3b) Describe the sensor on-board NOAA satellite. 7MKS**
- 4) Using a diagram, describe the mode of operation of a simple camera. 10MKS**
- 5) As a member of photographic club, explain to a group of Abu Turab school students on how a colored film is processed. 10MKS**
- 6a) Why are most electronic Remote Sensors referred to as “multi-spectral scanners”. 3MKS**
- 6b) Describe the two mode of scanner’s employed by multi-spectral image. 7mks**