



CRAWFORD UNIVERSITY

FAITH CITY, IGBESA, OGUN STATE
COLLEGE OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF PHYSICAL & EARTH SCIENCES
GEOLOGY & MINERAL SCIENCES

Harmattan Semester Examinations (B.Sc. Degree), 2016/2017

COURSE: GEM 377 – Photogeology and Remote Sensing

Unit: 3Units

Time Allowed: 2¹/₂Hrs

INSTRUCTIONS: Answer question 1 and any other three questions

Support your answers with appropriate diagram

- 1 Write concise short notes on:
 - a. Lens stereoscope and Mirror Stereoscope
 - b. Endlap and Sidelap.
 - c. Active and Passive sensors.
 - d. Different remote sensing platforms.
 - e. Principles of taking aerial photographs.
 - f. Radiation Interactions with the earth surface.
 - g. Explain the absorption and scattering effects of radiation while interacting with the atmosphere.

- 2 Describe the various segments of LANDSAT system

- 3 Discuss in details the image elements used in the interpretation of aerial photographs.

- 4 Write concise short notes on the following:
 - i) TIROS
 - ii) GOES
 - iii) SPOT
 - iv) IFOV

- 5
 - a) Discuss the characteristics of an ideal Remote Sensing system.
 - b) Discuss the geological applications of Remote sensing.