

---

CHUKA



UNIVERSITY

---

**UNIVERSITY SUPPLEMENTARY/SPECIAL EXAMINATIONS.**

**FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF BACHELOR OF EDUCATION (ARTS)**

**GEOG 425: REMOTE SENSING**

**STREAMS: BED (ARTS) Y4S2**

**TIME: 2 HOURS**

**DAY/DATE: TUESDAY 11/09/2018**

**2.30 P.M - 4.30 P.M**

---

**INSTRUCTIONS:**

- Answer Question ONE and any other TWO
- Diagrams, sketches and illustrations should be used when necessary.

1. Describe the stages involved in generating topographic maps from aerial photographs. [30 Marks]
  2. Using a diagram, discuss the full electromagnetic spectrum and point out portions used for remote sensing. [20 Marks]
  3. Attempt the development made in the field of remote sensing since 1859 to 1990's. [20 Marks]
  4. Examine any FIVE applications or remote sensing in the contemporary world. [20 Marks]
  5. Write explanatory notes on the following:
    - (a) Platforms [4 Marks]
    - (b) Resolution [4 Marks]
    - (c) Digital image processing (DIP) [4 Marks]
    - (d) Sensors [4 Marks]
    - (e) Satellites [4 Marks]
- .....