

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EMBU CAMPUS

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

GEOG 425: REMOTE SENSING

STREAMS: BED (ARTS) S.B

TIME: 2 HOURS

DAY/DATE: THURSDAY 09/08/2018

11.30 AM – 1.30 PM

INSTRUCTIONS:

- **Answer Question One and any other Two Questions**
- **Sketches, diagrams and examples should be used when necessary to support answers**

1. (a) Examine the portions, wavelength and applications of the various portions of the electromagnetic spectrum. [18 marks]
- (b) Explain the four resolutions associated with remote sensing products. [12 marks]
2. Assess the application of remote sensing in the daily life situations. [20 marks]
3. (a) Outline any four advantages of remote sensing over aerial photography. [4 marks]
- (b) Discuss any four elements of an operational remote sensing application. [16 marks]
4. Using examples show how the incoming electromagnetic energy interacts with ground features during remote sensing. [20 marks]
5. (a) Explain the three platform utilized for earth observation. [6 marks]
- (b) Discuss the process of generating top maps from aerial photography.

