

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

GEOG 425: REMOTE SENSING

STREAMS: BED (ARTS)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 06/12/2017

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- Answer question ONE and any other TWO questions
- Sketch diagrams and illustrations should be used whenever necessary to support your answer

- Outline the process of space borne remote sensing. [10 marks]
 - Using diagrams explain the THREE types of remote sensing used for Earth observation. [12 marks]
 - Describe the four types of resolutions associated with remote sensing applications. [8 marks]
- Trace the major developments in history of remote sensing since 1859 to modern day time. [20marks]
- Assess any FOUR advantages of using satellite remote sensing over aerial photography in earth observation. [8 marks]
 - Explain any four mechanisms by which the incoming (EMR) interacts with ground features. [12 marks]
- Examine the four systematic stages or carrying out digital image processing. [8 marks]
 - Discuss any four applications of remote sensing today. [12 marks]
- Using a flow diagram explain all the steps followed in generating topographic maps form aerial photographs. [20 marks]