

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

GEOG 203: PRACTICAL GEOGRAPHY & FIELD WORK

STREAMS:BED (ARTS)

TIME: 2 HOURS

DAY/DATE: MONDAY 4/12/2017

8.30 A.M – 10.30 A.M

INSTRUCTIONS:

- **Answer question one and two other questions**
- **Use sketch maps and diagram to illustrate your answer**

1. Using historical background, explain the following terms as used in surveying:
 - (i) Survey [6marks]
 - (ii) Geometry [6marks]
 - (iii) Harpedonapata [6marks]
 - (iv) Break of slope [6marks]
 - (v) Gradient [6marks]
2. Distinguish and define the three categories of maps: Topographical, cadastral and atlas. [20marks]
3. Giving a list of the required equipment explain how you would carry out a survey of a slope to show gradient of a valley side from crest of the spur to the channel. [20marks]
4. Using a topographical map, explain how you would find the following facts from a map. [20marks]

(a) Gradient between two points A &B

(b) If two places C&D are intervisible

5. (a)What is a degree of latitude? [10marks]

(b) How are latitude and longitude fixed on earth and on maps? [10marks]
