

ALUPE UNIVERSITY  
COLLEGE*... Bastion of Knowledge ...*

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OFFICE OF THE DEPUTY PRINCIPAL  
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# UNIVERSITY EXAMINATIONS

## 2018 /2019 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER REGULAR EXAMINATION

**FOR THE DEGREE OF BACHELOR OF  
EDUCATION (ARTS/B.ST)**

COURSE CODE: GEO 210

COURSE TITLE: INTRODUCTION TO CARTOGRAPHY

DATE: 13<sup>TH</sup> DECEMBER, 2018

TIME: 9.00 AM – 12.00 PM

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### INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

**GEO 210: INTRODUCTION TO CARTOGRAPHY**

**STREAM: BED (Arts) / BED (B.Studies)**

**DURATION: 3 Hours**

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**INSTRUCTIONS TO CANDIDATES**

- i. Answer Question **ONE** and any other **TWO** questions
- ii. Maps, sketches and diagrams should be used whenever they serve to illustrate the answer
- iii. Do not write on the question paper.

**Question One**

- a) Define the following terms as used in cartography:
  - i. Globe (2 Marks)
  - ii. Coordinate system (2 Marks)
  - iii. Map orientation (2 Marks)
  - iv. Draftsman (2 Marks)
  - v. Map symbolization (2 Marks)
- b) Explain FIVE reasons why people need maps. (10 Marks)
- c) Describe the FIVE steps in map making process. (10 Marks)

**Question Two**

- a) Explain what makes cartography:
  - i. An art (2 Marks)
  - ii. A science (2 Marks)
- b) Using illustrations, describe how you would use contours to depict the following on a topographical map:
  - i. A hill (4 Marks)
  - ii. A steep slope (4 Marks)
  - iii. A relatively flat relief (4 Marks)
  - iv. A depression (4 Marks)

**Question Three**



- a) What is plottable error in cartography? (2 Marks)
- b) Calculate the plottable error on actual ground of the following map scales if the drafting line is accurate at 0.25mm (show your working):
  - i. Mathioya 1:1,000 (4 Marks)
  - ii. Ikanga 1: 25,000 (4 Marks)
- c) Explain any FIVE elements of a map. (10 Marks)

**Question Four**

- a) Distinguish between general purpose and thematic maps. (4 Marks)
- b) Using illustrations, describe any FOUR types quantitative thematic maps. (16 Marks)

**Question Five**

- a) Differentiate between map generalization and map projection. (4 Marks)
- b) Explain FOUR methods of cartographic generalization. (8 Marks)
- c) Give two examples of cartographic generalization in each of the above (b) methods. (8 Marks)

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