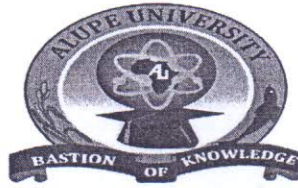


GEO 210



ALUPE UNIVERSITY

OFFICE OF THE DEPUTY VICE CHANCELLOR

ACADEMICS, RESEARCH AND STUDENTS AFFAIRS

UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

**SECOND YEAR FIRST SEMESTER REGULAR MAIN
EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF
EDUCATION ARTS**

COURSE CODE: GEO 210

COURSE TITLE: INTRODUCTION TO CARTOGRAPHY

DATE: 8/12/2022

TIME: 2.00PM-5.00PM

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

GEO 210: INTRODUCTION TO CARTOGRAPHY**STREAM: BED (Arts)****DURATION: 3 Hours**

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) Explain the meaning of 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 main 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. Mathima 1:1,000 (4 Marks)
 - ii. Iluko 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) With help of suitable 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)
