

GEO 210



ALUPE UNIVERSITY

**OFFICE OF THE DEPUTY VICE CHANCELLOR
ACADEMICS, RESEARCH AND STUDENT AFFAIRS**

UNIVERSITY EXAMINATIONS

2023/2024 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: 21ST DECEMBER, 2023

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) Since time immemorial maps have been an integral part of man's activities. Explain FIVE reasons for this. (10mks)
- b) Explain the uses of the following in map making process:
 - i. Datum (2 Marks)
 - ii. Map design (2 Marks)
- b) Outline uses of the following general purpose maps.
 - i. Cadastral maps (2 Marks)
 - ii. Bathymetric maps (2 Marks)
- c) Examine the role of GIS in modern cartography. (8 Marks)
- d) Explain the uses of the following methods of cartographic generalization:
 - i. Enhancement (2 Marks)
 - ii. Combination (2 Marks)

Question Two

- a) Explain the steps followed in map production and construction (12 Marks)
- b) Explain factors which guide map symbolization. (8 Marks)

Question Three

- a) Explain what plottable error signifies to map a user? (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. Miombo 1:5,000 (4 Marks)
 - ii. Weru 1: 50,000 (4 Marks)
- c) Outline FIVE marginal information found on a topographical map. (10 Marks)

Question Four

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

(16 Marks)

Question Five

Trace the history of the development of cartography highlighting its key landmarks.

(20 Marks)
