



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

SPECIAL EXAMINATIONS
FIRST YEAR EXAMINATION FOR THE AWARD OF THE
DEGREE OF BACHELOR OF EDUCATION (ARTS)
SECOND SEMESTER, 2021/2022
(FEBRUARY - JUNE, 2022)

GEOG 117: INTRODUCTION TO COMPUTERIZED CARTOGRAPHY

STREAM: Y1 S1

TIME: 2 HOURS

DAY: THURSDAY, 3:00 – 5:00 P.M.

DATE: 21/07/2022

INSTRUCTIONS:

- 1. Do not write anything on this question paper.*
- 2. Answer Question ONE (COMPULSORY) and any other TWO questions*

QUESTION ONE

- Using examples, discuss the taxonomy of maps as applied in cartography. (14 marks)
- Explain the difference between the three branches of cartography. (6 marks)

QUESTION TWO

Discuss the five steps in cartographic process. (20 marks)

QUESTION THREE

With aid of clear diagrams, write brief notes on the following features of the Universal Transverse Mercator map projection.

- Eastings (10 marks)
- Northings (10 marks)

QUESTION FOUR

- a) Differentiate between the following design elements of a map:
- (i) Cropped map body and floating map body (2 marks)
 - (ii) General reference map legend and graduated map legend (2 marks)
 - (iii) Figures and ground (2 marks)
 - (iv) Figure closure and interposition (2 marks)
- b) Using examples, explain the quality criteria that a map scale should meet (8 marks).
- c) Using appropriate illustrations, explain the types of map symbols. (4 marks)

QUESTION FIVE

Discuss the visual distinctions that are used for symbolization in cartography. (20 marks)