



**(Knowledge for development)
KIBABII UNIVERSITY**

**UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR
FIRST YEAR SECOND SEMESTER**

**SUPPLEMENTARY/SPECIAL EXAMINATION
FOR THE DEGREE OF BACHELOR OF EDUCATION ARTS**

COURSE CODE: GEO 121

**COURSE TITLE: INTRODUCTION TO CARTOGRAPHY, PHOTOGRAMMETRY
AND MAP ANALYSIS**

DATE: 29 – 09 - 2021

TIME: 2 – 4 PM

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

- 1. Answer Question ONE (Q1) Compulsory**
- 2. Answer any other TWO (2) Questions**
- 3. Use illustration where appropriate**

This paper consists of 2 printed pages. Please Turn Over.

Question 1

You are provided by the map of Karatina

- Describe the relief of the area covered by the map (8Marks)
- Describe the settlement of the area covered by the map (8Marks).
- Describe the drainage of the area covered by the map (8 Marks)
- State the marginal information on the map (6 Marks)

Question 2

- Using examples describe the various ways of representing relief on maps (12 Marks)
- Using examples between the term overlaying and ground truthing as used in GIS (8 Marks)

Question 3

The table below shows the size of land owned by farmers under maize in Bungoma county

Class	Frequency
41-45	18
46-50	41
51-55	36
56-60	24
61-65	45

- Compute the Mean (3 Marks)
- Compute the Mode (4 Marks)
- Compute the median (4 Marks)
- Compute the standard deviation (4Marks)
- Compute the Interquartile Range (5Marks)

Question 4

- Discuss the significance of using GIS and remote sensing in geographical research (20 Marks)

Question 5

Using relevant examples distinguish between the following terms

- Supervised and Unsupervised classification (10 Marks)
- Active and Passive Sensors (10 Marks)