



KIBABII UNIVERSITY COLLEGE

(A Constituent College of Masinde Muliro University of Science Technology)

P.O. Box 1699-50200 Bungoma, Kenya

Tel. 020-2028660/0708-085934/0734-831729

E-mail: enquiries@kibabiiuniversity.ac.ke

Knowledge for Development

EXAMINATIONS

FACULTY OF EDUCATION AND SOCIAL SCIENCE

MAIN EXAMINATION FOR SCHOOL BASED (2014 – 2015)

COURSE CODE: GEO 201

COURSE TITLE: INTRODUCTION TO CARTOGRAPHY

STREAM:

DATE:

TIME:

Instructions

- Answer Question One (Q1) Compulsory
- Answer any other THREE (3) Questions

Illustration should be used where appropriate

1. You are provided with the map of Karatina, read, interpret, analyze and answer the questions that follow
 - a) Describe the settlement patterns in Karatina region (10 marks)
 - b) Describe the relief of the Karatina region (8 marks)
 - c) Describe the drainage on the Karatina Map (10 marks)
2. a) Write brief notes on the following
 - i) Remote Sensing (2 marks)
 - ii) Geographic information Systems (3 marks)
 - iii) Overlaying (1 mark)

b) Distinguish between passive and active remote sensing (10 marks)
3. a) Distinguish between the term Raster and Vector as used in GIS (6 marks)
- b) Discuss the importance of using Geographic Information Systems (GIS) in mapping of natural resources in Kenya (9 marks)
4. a) Calculate the standard deviation for the following set of data
5,6,6,7,7,8,8,8,9,10 (5 marks)
- b) Calculate the median of the following set of data (2 marks)
- c) What are the disadvantages of using mode as a measure of central tendency (3 marks)
- d) State the five basic components of GIS (5 marks)
5. i) Write concise note on the following type of maps:
 - a) Cadastral (3 marks)
 - b) Thematic (3 marks)
 - c) Topographical (3 marks)
 - d) Atlas (3 marks)

ii) Describe the three types of scales (3 Marks)
6. Using sketch maps, describe how contours would be drawn to describe the following features
 - Hills (3 marks)
 - Valleys (3 marks)
 - Plateaus (3 marks)
 - Basins (3 marks)
 - Ridges and Spurs (3 marks)
7. Describe the various ways of representing relief on Topographical Maps (15 marks)