



A Constituent College of Kenyatta University

UNIVERSITY EXAMINATIONS 2011/2012 ACADEMIC YEAR

1ST YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION (ARTS) AND BACHELOR OF ARTS

COURSE CODE/TITLE: AGE 100: INTRODUCTION TO STATISTICS, CARTOGRAPHY AND MAP ANALYSIS

END OF SEMESTER I

DURATION: 3 HRS

DAY/TIME: TUESDAY 8.00AM – 11.00AM

DATE : 06.12.2011-LTW

INSTRUCTIONS

Answer question ONE and any other TWO questions

Question One

- a) Highlight the significance of symbols in map analysis. **(5marks)**
- b) Explain why cartography is referred to as an Art, Science and Technology. **(6marks)**
- c) Identify examples of point features used in cartography. **(2marks)**
- d) Use the map given East Africa 1:250,000, VOI, Series Y503 1976 to answer the following questions.
 - i) Identify the categories of symbols shown on the map **(4marks)**
 - ii) Evaluate the use of color on the map **(3marks)**
 - iii) Describe the categories of border and marginal information used on the map. **(5marks)**

iv) Comment on the general layout of the map. **(5marks)**

Question Two

a) State the significance of statistics of geographers. **(5marks)**

b) Describe the Measures of Dispersion in statistics. **(10marks)**

c) State the characteristics of the mean as a measure of Central Tendency. **(5marks)**

Question Three

Evaluate the use of probability and non-probability sampling methods in geographical studies. **(20marks)**

Question Four

Discuss the following aspects of Drainage Basin Analysis. **(20marks)**

a) Linear properties

b) Area properties

c) Relief properties

Question Five

Discuss the factors governing map design in cartography. **(20marks)**