



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

FIRST YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF EDUCATION (ARTS)

BACHELOR OF ARTS

AGE 100: INTRODUCTION TO CARTOGRAPHY AND MAP ANALYSIS

DATE: 24/9/2019

TIME: 2.00-4.00 PM

INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) Explain what is map layout and what are the essential factors [4 marks]
- b) Provide a comprehensive overview of relief, thematic and choropleth maps and give some examples of them [4 marks]
- c) (i) Explain who Claudius Ptolemy's was and what his legacy to cartography is [4 marks]
- (ii) Explain inset map [3 marks]
- (iii) Explain what are callouts in maps [3 marks]
- (iv) Explain FOUR factors that must be considered in use of conventional signs in cartography [8 marks]
- d) Give a brief description of a title and a subtitle in a map [4 marks]

QUESTION TWO (20 MARKS)

- a) Explain the term cartography [5 marks]
- b) Discuss the major components of map compilation [15 marks]

QUESTION THREE (20 MARKS)

Using examples, distinguish between the following terms:

- a) General and Thematic maps [5 marks]
- b) Topographical and Topological maps [5 marks]
- c) Small scale and large scale [5 marks]
- d) Map and Plan [5 marks]

QUESTION FOUR (20 MARKS)

- a) Using examples explain some of the methods used in the preparation of various types of maps [10 marks]
- b) Maps can be classified based on their functions. Explain two classes [10 marks]

QUESTION FIVE (20 MARKS)

- a) Explain the use of Frame line, Neat line and graticules in a map [6 marks]
- b) Give an overview of map scale and explain how it is used in maps [5 marks]
- c) Describe the essential steps to be undertaken in implementing a good map design process. [5 marks]
- d) State the four processes which are involved in cartography [4 marks]