



MACHAKOS UNIVERSITY

UNIVERSITY EXAMINATIONS FOR 2022/2023 ACADEMIC YEAR

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

**FIRST YEAR SUPPLEMENTARY/SPECIAL EXAMINATION FOR
BACHELOR OF ARTS/ BACHELOR OF EDUCATION ARTS & BACHELOR OF
EDUCATION SCIENCE**

AGE 100: INRODUCTION TO CARTOGRAPHY AND MAP ANALYSIS

DATE: 10/3/2023

TIME: 8.30 – 10.30 AM

INSTRUCTIONS

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Explain the usefulness of the following types of maps:
- | | | |
|------|-------------------|-----------|
| i. | Thematic maps | (2 marks) |
| ii. | Choropleth map | (2 marks) |
| iii. | An isopleth map | (2 marks) |
| iv. | Topographic maps | (2 marks) |
| v. | An area class map | (2 marks) |
- b) Outline FIVE uses of maps. (5marks)
- c) Describe the role of GIS in cartography and map analysis. (15 marks)

QUESTION TWO (20 MARKS)

Examine the qualitative and quantitative techniques of representing data on a map.
(20 marks)

QUESTION THREE (20 MARKS)

- a) Illustrate the importance of scale in cartography. (16 Marks)

- b) Differentiate between the True North and Grid North. (4marks)

QUESTION FOUR (20 MARKS)

Examine ways of analyzing the following on a map:

- a) Climate (10 marks)
b) Economic activities (10 marks)

QUESTION FIVE (20 MARKS)

Examine any FIVE methods of depicting relief on a map. (20 marks)