



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
BACHELOR OF URBAN AND REGIONAL
PLANNING**

COURSE CODE: URP 3103

COURSE TITLE: CARTOGRAPHIC TECHNIQUES

DATE: 5TH DECEMBER 2018 TIME: 1100 - 1300HRS
INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section A and any other **THREE** in section B.

This paper consists of 2 printed pages. Please turn over.

SECTION A: ANSWER ALL QUESTIONS 25MKS)

Question 1

- (a) Distinguish between Thematic map and special purpose map. (3m)
- (b) Outline the following elements of a base map stating the importance of each:
- (i) Graticule
 - (ii) Drainage pattern
 - (iii) Relief
 - (iv) Settlements
 - (v) Communication systems
 - (vi) Administrative units
 - (vii) Geographical names (14m)
- (c) Explain why generalization is necessary for a base map. (3m)
- (d) State sources of information for revising each of the following:
- (i) Navigational map
 - (ii) Bathymetric map (5m)

SECTION B: ANSWER ANY THREE QUESTIONS (45MKS)

Question 2

- (a) Explain the following concepts in Thematic mapping giving one example in each case:
- (i) Qualitative
 - (ii) Quantitative
 - (iii) Absolute quantities
 - (iv) Relative quantities
 - (v) Discrete variables
 - (vi) Continuous variables (12m)
- (b) Explain the purpose of showing contour lines with spot heights

Question 3

- (a) Explain the applications of relief representation on maps. (5m)
- (b) Describe the relief by layer tinting. (5m)
- (c) Illustrate a typical map layout. (5m)

Question 4

Discuss the following phases of map compilation:

- (i) Data collection
- (ii) Data processing
- (iii) Data presentation (15m)

Question 5

- (a) Describe the development of Topographic map (11m)
- (b) Outline any four applications of Topographic maps (4m)

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