MAASAI MARA UNIVERSITY

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

SCHOOL OF TOURISM AND NATURAL RESOURCE MANAGEMENT
BACHELOR OF EARTH SCIENCES

COURSE CODE: EES 3140
COURSE TITLE: CREATIVE MAP MAKING AND CARTOGRAPHY

DATE: 5TH DECEMBER 2018   TIME: 1100 – 1300HRS

This paper consists of 2 printed pages. Please turn over

Question 1

(a) Distinguish between the following terms:
  (i)   Legibility and visibility
  (ii)   Balance and contrast
  (iii)   Compilation and generalization
  (iv)   Combination and classification   (8m)

(b) List the visual variables with each of the following perceptive properties:
  (i)   Associative
  (ii)   Qualitative
  (iii)   Ordered
  (iv)   Quantitative   (8m)

(c) State any nine rules of applying text on maps   (9m)

Question 2

Discuss the preparations of the following maps:
  (i)   Registry index maps
  (ii)   Preliminary index diagrams
  (iii)   Boundary plans   (15m)

Question 3

Illustrate the graticule of the following map projections:
  (i)   Lamberts conformal conic
  (ii)   The azimuthal
  (iii)   The transverse Mercator   (15m)

Question 4

(a) Compare grid and graticule.   (5m)
(b) Explain the importance of showing linear scale on maps.   (5m)
(c) The dimensions of mapped area on a map is 40cm by 60cm. The scale of
    the map is 1:50000. Calculate the ground area.   (5m)

Question 5

(a) Design symbols to be used in route map of Kenya at a scale of 1:1500000
  (i)   Primary roads
  (ii)   Secondary roads
  (iii)   Tracks (motorable)
  (iv)   Railway line under construction
  (v)   Railway electrified
  (vi)   Petrol station
  (vii)   Garage
  (viii)   International boundary
  (ix)   County boundary
  (x)   Bridge   (10m)

(b) Using diagrams compare the typical communication system and that of
    cartographic communication system.   (5m)

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