



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2014/2015

DIGITAL SCHOOL OF VIRTUAL & OPEN LEARNING

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
ARTS

AGE 417: GEOGRAPHY INFORMATION SYSTEMS (GIS) II

DATE: WEDNESDAY 29TH APRIL 2015 TIME: 8.00 A.M. – 10.00 A.M.

INSTRUCTIONS

**Answer Question ONE and any other Two questions.
Use illustrations where appropriate**

Question One

- a) Explain the application of GIS in Land cover change analysis (7 1/2 marks)
- b) Discuss any three types of map projections (7 1/2 marks)
- c) Discuss the use of GIS in solid waste management (7 1/2 marks)
- d) Briefly discuss any three processes of data capture in a GIS (7 1/2 marks)

Question Two

Explain the use of GIS in forest inventory and management (20 marks)

Question Three

Discuss the advantages of using GIS is thematic mapping (20 marks)

Question Four

Explain how GIS is applied in urban planning and management (20 marks)

Question Five

Examine five visual variables employed in data visualization in a GIS (20 marks)