



UNIVERSITY OF EMBU

2017/2018 ACADEMIC YEAR

SECOND SEMESTER EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION

GEG 403: COMPUTER TECHNIQUES IN GEOGRAPHY

DATE: APRIL 10, 2018

TIME: 2:00-4:00PM

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions.

QUESTION ONE (30 MARKS)

- a) Explain two advantages of secondary storage of data (5 marks)
- b) Distinguish between hardware and software components of a computer (5 marks)
- c) Differentiate between Geographic Information Systems (GIS) and Computer Aided Cartography (CAC) (5 marks)
- d) Explain two types of operating systems in Computers (5 marks)
- e) Discuss two types of user interface in operating systems (5 marks)
- f) Explain any two task orientated software (5 marks)

QUESTION TWO (20 MARKS)

Discuss the significance of computer technology in Geographical studies (20 marks)

QUESTION THREE (20 MARKS)

Explain how Geographic Information Systems (GIS) can be applied in Urban modelling (20 marks)

QUESTION FOUR (20 MARKS)

Distinguish between raster and vector models

(20 marks)

QUESTION FIVE (20 MARKS)

Explain Four basic components of Geographic Information Systems (GIS)

(20 marks)

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