THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

JANUARY – APRIL 2015 TRIMESTER

FACULTY OF ARTS AND SOCIAL SCIENCES

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL STUDIES

REGULAR PROGRAMME

GE0 313: THEORIES OF SPATIAL PROCESSES AND PATTERNS

Date: April 2015	Duration: 2 Hours
Instructions: Answer Question ONE and any other TWO Questions	

Q1. a) Define the following concepts
         i)   Economic rent   **(2 marks)**
         ii)   Least Cost Location   **(2 marks)**
         iii) Spread Effects   **(2 marks)**

     b) Citing appropriate examples, distinguish between the following terms/concepts.
         i)   Weight-losing industries and weight-gaining industries.
                                            (6 marks)
         ii)   Spatial processes and special patterns.
                                            (6 marks)
     c) identify and explain the elements of J. Forrester 1961 model of economic life and death of a city.
                                            (6 marks)
     d) Explain any THREE factors that influence the location of an industry.
                                            (6 marks)

Q2. a) Examine the significance of agglomeration economies in an area.
                                            (8 marks)
     b) Discuss any FOUR factors that enhance agglomeration of human activities.
                                            (12 marks)

Q3. a) Explain the FOUR major spatial processes associated with urbanization which are of concern to an urban geographer.
                                            (12 marks)

b)   Examine the role of the environment and ecology in the evaluation of urban societies.

(8 marks)

Q4.   Assess the relevance of the multiple nuclei model of urban land use of Nairobi.
(20 marks)

Q5.   Examine the relevance of Von Thiinen's model of agricultural and use in the Contemporary society.

(20 marks)

END