



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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MAIN EXAMINATION

MAY – JULY 2018 TRIMESTER

FACULTY OF ARTS AND SOCIAL SCIENCES

DEPARTMENT OF HUMANITIES

PART TIME PROGRAMME

GEO 313: THEORIES OF SPATIAL PATTERNS AND PROCESSES

Date: JULY 2018

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and any other TWO Questions

- Q1. a) Elaborate on the factors that enhance agglomeration economies **(10 marks)**
(11)
- b) Using examples, explain the main variables used in computing economic rent **(10 marks)**
- c) Examine the relevancy of sector model in explaining the patterns of modern cities **(10 marks)**
- Q2. a) Explain J. Forrester (1961) model of the economic life and death of a city **(12 marks)**
- b) Differentiate between the following terms and concepts
- i) Range of goods/ services and threshold of goods and services **(4 marks)**
 - ii) Urban primacy and binary distribution **(4 marks)**
- Q3. a) Explain gravity model and its relevance to spatial processes **(8 marks)**
- b) Evaluate the main urban land uses and how they have shaped the development of towns **(12 marks)**
- Q4. Evaluate the strengths and limitations of central place theory, citing relevant examples from a city of your choice **(20 marks)**

Q5. Discuss how Webbers' theory of industrial location has influenced the location of industries in Kenya **(20 marks)**

END