



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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MAIN EXAMINATION

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MAY – AUGUST 2021

Ext 1022/23/25

FACULTY OF ARTS AND SOCIAL SCIENCES

DEPARTMENT OF ECONOMICS

REGULAR PROGRAMME

ECN 403: TRANSPORTATION ECONOMICS

Date: AUGUST 2021

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and any other TWO Questions

Q1

- a). Highlight the importance of study of transportation economics in the economic development of a country. **(5marks).**
- b). Is pricing of transport services always equitable to the quality of transport services? **(5marks).**
- c). Discuss investment in transportation infrastructure and determine the cost-benefit analysis of a transport project that is acceptable. **(10marks).**
- d). Highlight the welfare effects of transportation infrastructure improvements in an economy. **(10marks).**

Q2.

- a). Transportation systems are crucial in an economy as they produce demand for travel. Elucidate. **(10marks).**
- b). Determine the main modes of transportation in a country and how their connectivity enables travel. **(10marks).**

Q3.

a). Discuss the Life Cycle Cost Analysis in transportation equity and how it is used to determine the worth of a usable project. **(10marks).**

b). Outline the extent of transportation impact on the environment and the measures taken to mitigate any destruction on the environment. **(10marks).**

Q4.

a). Give the importance of transport planning and forecasting in passenger and freight transportation and traffic. **(10marks).**

b). Highlight the major social-political issues that are a challenge to the importance of urban-transportation especially in Africa. **(10marks).**

Q5.

a). Give a brief discussion on how the factors below affect transportation.

i). Emerging transport technologies. **(5marks).**

ii). Accessibility and mobility in transport. **(5marks).**

b). Determine the usefulness of transport regulations **(8 Marks)**

c) Give examples of regulatory reforms in Kenya. **(2 marks).**

END