



MURANGA UNIVERSITY COLLEGE

(A constituent College of Jomo Kenyatta University of Agriculture & Technology)

MAIN CAMPUS

ORDINARY UNIVERSITY EXAMINATIONS

2015/2016 ACADEMIC YEAR

FOR BACHELOR

OF

PURCHASING AND SUPPLIES MANAGEMENT.

COURSE CODE: HPS 2214

COURSE TITLE: TRANSPORT ECONOMICS.

DATE: 25TH APRIL 2016

TIME: 2 HOURS.

INSTRUCTIONS TO CANDIDATES

Question ONE (1) is compulsory
Answer ANY OTHER TWO (2) questions

MRUC observes ZERO tolerance to examination irregularities



QUESTION ONE

- a) What is meant by the following term?
 - i. Rates (2 marks)
 - ii. Transport cost (2 marks)
 - iii. Traffic congestion (2 marks)
 - iv. Surcharges (2 marks)
 - v. Transport Economics (2 marks)
- b) Explain FIVE Economic contribution in transportation. (10 marks)
- c) Demand for road travel is driven by several macro factors, discuss at least FIVE factors. (10 marks)

QUESTION TWO

- a) Discuss the FOUR step approaches to modeling travel. (8 marks)
- b) Generated traffic has significant implications for transportation planning. Discuss (4 marks)
- c) The factors influencing the demand for freight are more complex and interdependent than the factors influencing passenger demand Explain FOUR reasons. (8 marks)

QUESTION THREE

- a) Performance measure of a congested roadway can be done using the following four components, Explain each component.
 - i. Duration (3 marks)
 - ii. Extent (3 marks)
 - iii. Intensity (3 marks)
 - iv. Reliability. (3 marks)
- b) Transport planning is beginning to utilize multi-disciplinary teams in order to broaden the scope of the planning process. Discuss the multi-step process. (8 Marks)

QUESTION FOUR

- a) Some urban transport problems are ancient while others are new. Explain FIVE notable urban transport problems. (10 Marks)
- b) Discuss FIVE major impacts of transport on economic factors. (10 Marks)