



TECHNICAL UNIVERSITY OF MOMBASA
Faculty of Business and Social Studies

DEPARTMENT OF BUSINESS STUDIES

UNIVERSITY EXAMINATIONS FOR DEGREE IN
BACHELOR OF BUSINESS ADMINISTRATION
BACHELOR OF COMMERCE

BTL 4403: URBAN TRANSPORT PLANNING

END OF SEMESTER EXAMINATIONS

SERIES: APRIL 2015

TIME: 2 HOURS

INSTRUCTIONS:

- Answer Question **ONE (Compulsory)** and any other **TWO** questions.
- Do not write on the question paper

This paper consists of Two printed pages

QUESTION 1 (Compulsory)

- a) Differentiate the following terms as used in urban transportation.
 - i) Nodes and linkages. **(4 marks)**
 - ii) Urban form and urban structure. **(4 marks)**
- b) Describe the importance of traffic impact studies. **(6 marks)**
- c) Urban movements are either obligatory or voluntary. Explain any **FOUR** common types of urban movements. **(8 marks)**
- d) Explain any **FOUR** major components of the spatial imprint of urban transportation. **(8 marks)**

QUESTION 2

- a) Discuss the evolution of urban mobility. **(9 marks)**
- b) Transit systems are made up of many types of services which are defined by frequency, flexibility, costs and distance between stops. Discuss the various types of transit systems found in cities. **(11 marks)**

QUESTION 3

Discuss the challenges facing urban transportation clearly proposing the mitigating factors for each challenge. **(20 marks)**

QUESTION 4

- a) Explain the **THREE** major classes of cities found in terms of the relationships they have with their transit systems. **(9 marks)**
- b) Discuss the basic elements of transport planning. **(11 marks)**

QUESTION 5

- a) Explain the main impacts of transport to the environment. **(10 marks)**
- b) Define the term environmental management system clearly explaining the attributes of best environmental practices. **(10 marks)**