



**TECHNICAL UNIVERSITY OF MOMBASA**  
***Faculty of Business and Social Studies***

DEPARTMENT OF BUSINESS ADMINISTRATION

UNIVERSITY EXAMINATIONS FOR DEGREE IN

BACHELOR OF COMMERCE

**BTL 4402: TRANSPORT PLANNING**

END OF SEMESTER EXAMINATIONS

**SERIES: MAY 2016**

**TIME: 2 HOURS**

**Instructions to Candidates**

You should have the following for this examination

- *Answer Booklet*
- *Examination Pass*
- *Student ID*

This paper consists of five questions.

Attempt question ONE (Compulsory) and any other TWO questions

This paper consists of **TWO** printed pages

**Do NOT write on the question paper**

**Mobile phones are NOT allowed in the examination room**

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**QUESTION 1 (Compulsory)**

- a) Define the following terms as used in transport planning:
- i) Transport terminals. **(3 marks)**
  - ii) Spatial interaction **(3 marks)**
  - iii) Transport networks **(3 marks)**
- b) Differentiate between Nodes and Linkages as used in urban transportation. **(6 marks)**
- c) Explain the difference between the following terms as used in transportation:
- i) Direct derived demand and indirect derived demand. **(6 marks)**
  - ii) Mono-functional ports and poly-functional ports. **(6 marks)**
  - iii) State **THREE** significances of transport policies. **(3 marks)**

**QUESTION 2**

- a) Explain the meaning of spatial imprint of urban transportation clearly detailing the **FIVE** components of the spatial imprint. **(12 marks)**
- b) Urban movements are either obligatory or voluntary. Explain any **FOUR** common types of urban movements. **(8 marks)**

### QUESTION 3

- a) Explain any **SIX** roles played by sea ports to any given economy. **(12 marks)**
- b) Transportation represents one of the most important human activities worldwide. Discuss the importance of transportation in any given country. **(8 marks)**

### QUESTION 4

- a) State **SIX** challenges that may be encountered by the Kenyan government in enforcing the cashless payment of bus/matatu fares by commuters. **(6 marks)**
- b) Clearly elaborate the key stages involved in the transport policy process. **(14 marks)**

### QUESTION 5

As a transport planning specialist, advise the Kenyan government through the relevant transport ministry on how it will streamline the public transport sector. **(20 marks)**