TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF BUSINESS

DEPARTMENT OF MANAGEMENT SCIENCE

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN LOGISTIC AND TRANSPORT

BLT 2106: TRANSPORT PLANNING

END OF SEMESTER EXAMINATION

SERIES:DECEMBER2016

TIME:2HOURS

DATE: Pick DateDec2016

Instructions to Candidates
You should have the following for this examination
-Answer Booklet, examination pass and student ID
This paper consists of **FIVE** questions. Attemptquestion ONE (Compulsory) and any other TWO questions.
   a) **Do not write on the question paper.**

QUESTION ONE

a) List the various steps of transport planning process　　　　　　　　(8 Marks)

b) i)　State FIVE reasons for conducting transport modeling　　　　　(5 Marks)

　　ii) Explain how transport modeling is achieved.　　　　　　　　(7 Marks)

c) Explain the following terms in relation to transport planning:

　　i)　　　Timetabling,　providing a typical layout　of the timetable

　　ii)　　Scheduling　　　　　　　　　　　　　　　　　　　(10 Marks)

QUESTION TWO

a) Define the term link flows in relation to transport planning　　　　(2 Marks)

b) To obtain LINK flows most regions use the so called FOUR-STEP model'

　　i)　　　Provide a schematic flow chart of the FOUR-STEP process used in obtaining the Link flows

　　ii)　　Explain what is involved in each of the FOUR steps　　　(18 Marks)

QUESTION THREE

Kenya Road freight/cargo transportation has picked up in the recent past and a lot of cargo is being transported along the Northern corridor. It shows an increase in Road freight transport demand.

Explain the various factors that could be contributing to this increase in transport demand.

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QUESTION FOUR

a) i)　Define transport planning

　　ii) Identify FIVE components of transport system　　　　　　　　(7 Marks)

b) i) Explain the term transport demand

　　ii)Differentiate between productive transport needs and consumptive transport needs　　(8 marks)

c) Explain the term transport demand elasticity　　　　　　　　　　(5 Marks)

QUESTION 5

The quality of passenger transport service is defined by a wide range of attributes which can be influenced transport planning,

Identify these attributes and explain how they would impact on the passenger transport service.

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