

SET ONE

**TECHNICAL UNIVERSITY OF MOMBASA.**

*School of Business*

**DEPARTMENT OF MANAGEMENT SCIENCE.**

UNIVERSITY EXAMINATION FOR THE BCOM DEGREE IN:

**LOGISTICS AND TRANSPORT(Y4 SEM. 1 & 2)**

**BLT 4402: TRANSPORT PLANNING .**

END OF SEMESTER EXAMINATION

**SERIES: MAY2016**

**TIME: 2 HOURS.**

**INSTRUCTIONS TO CANDIDATES.**

- This question paper consists of FIVE questions.
- Attempt question ONE(COMPULSORY) and any other TWO questions.
- Maximum marks for each part of a question are as shown.

### **QUESTION ONE(COMPULSORY)**

- (a) Analyze the factors responsible for influencing and shaping urban transportation (6 Marks).
- (b) A logistics organization stands to gain competitive advantages over their competitors in the market by carrying out transport forecasting. Highlight the functions of transport forecasting as practiced in transport planning(6 Marks).
- (c) Transport planning is a very essential function that requires serious planners in the business world of today. Analyze the main stakeholders in transport planning (6 Marks).
- (d) Explain with reasons why transport planning and policy formulation are so important that it attracts maximum attention of both the high and mighty in transport industry (6 Marks)
- (e) As a qualified, experienced, efficient and ethical Transport Manager in one of the leading logistics and transport firms develop an objective criteria that you would use in selecting the most appropriate transport mode to deliver various consignments to respective customers (6 Marks)

### **QUESTION TWO.**

- (a) Highlight the main instruments used in transport planning and policy formulation (10 Marks).
- (b) Transportation models can only operate successfully if certain assumptions are in place. Discuss such assumptions in light of transportation modeling (10 Marks)

### **QUESTION THREE.**

- (a) One of the biggest problem in managing logistics and transport operations is selecting the most appropriate application of cross docking. Propose and explain the variables that would be factored in before arriving at the right decision on the most appropriate application of cross docking (10 Marks).
- (b) Analyze the basis on which a transport firm will determine the right carriage rates to charge customers for the delivery of the goods to various respective destinations (10 Marks).

### **QUESTION FOUR.**

- (a) Analyze the key elements of transportation safety planning(10 Marks).
- (b) Examine the strategies that a proactively run transport company would adapt in managing transport vessel energy consumption more effectively (10 Marks)

### **QUESTION FIVE.**

- (a) Transport terminals are central and intermediate locations in the movements of freight and passengers since they are essential links in transport chains. Examine the major functions of transport terminals (10 Marks).
- (b) Geographic information systems for freight transportation(GIST) is one of latest developments in transport planning. Analyze the specific technologies behind faster development of GIST (10 Marks).