



TECHNICAL UNIVERSITY OF MOMBASA

School of Business

UNIVERSITY EXAMINATION FOR:

BACHELOR OF COMMERCE

BTL 4303: TRANSPORT SAFETY AND SECURITY

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2016

TIME: 2 HOURS

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of FIVE questions. Attempt Question ONE (Compulsory) and any other Two questions

Do not write on the question paper.

1. Discuss the **FIVE** infrastructure designs that can be used to ensure safety and security in the following transportation methods:

(a) road **(10 marks)**

(b) railway **(10 marks)**

(c) air. **(10 marks)**

2 (a) outline any **FIVE** aspects of **human behavior** having influence on safety and security in our roads. **(10 marks)**

(b) Highlight the **FIVE** reasons as to why there is need for Need for Traffic Regulations. **(10 marks)**

3 (a) Discuss the **FIVE Criteria** that engineers should put into account when fixing speed limit **(10 marks)**

(b)Corruption is a major problem in Kenyan roads. Highlight **FIVE** areas where corruption is rampant in Kenyan roads.

(10 marks)

4 (a)Discuss any **FIVE** duties of a traffic police department.

(10 marks)

(b) Identify **FIVE** contents of a good traffic safety policy in a company.

(10 marks)

5 (a)Discuss ANY **FIVE** measures that the Kenyan government can put in place to ensure swift response in case of an emergency in our road transportation.

(10 marks)

(b) Identify ANY **FIVE CONTENTS OF** traffic laws and how they are important in ensuring safety in our roads.

(10 marks)



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1 (a) Discuss in details the **FIVE** factors affecting a drivers efficiency and effectiveness when driving a motor vehicle. **(10 marks)**

(b) Highlight any **FIVE** types of **data** that a government traffic department can collect in order to identify traffic problems. **(10 marks)**

(c) Discuss **FIVE** ways in which **technology** has improved safety in road transportation. **(10 marks)**

2 (a)Discuss the **FIVE** reasons Why is it important to fix speed limits in certain sections of a road? **(10 marks)**

(b)Highlight any five areas of road data collection in ensuring safety and security for road users. **(10 marks)**

3 (a.) identify **FIVE factors in** Technology and structure used to fix speed zones in road transport. **(10 marks)**

(b) Outline **FIVE** reasons why it is important for a traffic department to have regular Traffic safety Education for the general public. **(10 marks)**

4(a) Discuss **FIVE** speed limit enforcement methods that can be used by a traffic department. **(10 marks)**

(b).Discuss **FIVE** regulations that control and restrict availability of parking spaces **(10 marks)**

5 (a) Describe any **FIVE areas of importance of** vehicle regulation activities found in a traffic department. **(10 marks)**

(b) Discuss **FIVE** Elements which when put together make up the activities that fall under transport department in an organization. **(10 marks)**