

PAPER A



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF BUSINESS

MANAGEMENT SCIENCE DEPARTMENT

COURSE/CLASS: BACHELOR OF COMMERCE-L & T Y4S1J 2014/EV, Y4S2 S
2013/EV

UNIT CODE: BLT 4303

UNIT NAME: TRANSPORT SAFETY AND SECURITY

SERIES: MAY, 2016

PAPER DURATION: 2 HOURS

NO OF STUDENTS: 40

INSTRUCTIONS TO CANDIDATES:

Answer question ONE (Compulsory) and any other TWO questions.

- Q1. (a) Choose and explain very briefly any **FIVE physiological factors** that influence the **effectiveness** and **efficiency** of a motor vehicle driver. **(10 marks)**
- (b) Outline the **FIVE functions** expected to be performed by a good system of transport. **(10 marks)**
- (c) Highlight the **FIVE criteria** that should be known and used in fixing **reasonable vehicle speed limits** along certain sections in a route. **(10 marks)**
- Q2. (a) Choose and explain very briefly any **FIVE aspects / contents** of a **vehicle construction** and **Equipment** as a part of the normal vehicle regulations. **(10 marks)**
- (b) Highlight the **FIVE areas of need** for **Traffic regulations** that should be enforced to ensure safety and security in all means of transport. **(10 marks)**
- Q3. (a) Outline any **SIX contents** of **Traffic accident records** **(12 marks)**
- (b) Briefly, describe the **FOUR rules/laws** which are used to fix the **speed of movement** by vehicles along transport routes. **(8 marks)**
- Q4. (a) Choose and explain very briefly any **FIVE benefits** likely to arise when the governments tame road users by giving permits/licenses to vehicle owners. **(10 marks)**
- (b) Highlight any **FIVE rules** that control the movement of **cyclists** along any means of Transport **(10 marks)**
- Q5. (a) Briefly, describe the **FIVE rules** that influence the availability and time for **parking spaces** **(10 marks)**
- (b) State and explain very briefly any **FIVE police punitive duties** performed against **identified traffic offenders** **(10 marks)**