



UGANDA MANAGEMENT INSTITUTE

POSTGRADUATE DIPLOMA IN LOGISTICS AND TRANSPORT MANAGEMENT
(DLTM)

SECOND SEMESTER EXAMS 2017/2018

MODULE TRANSPORT AND FLEET MANAGEMENT

Date: Monday 1 October 2018

Time: 09.00 AM – 12.00 NOON

INSTRUCTIONS

1. Answer **FOUR** Questions.
2. Question **ONE** of Section A is compulsory and carries **40** marks.
3. Answer any other **THREE** Questions from Section B. Each question carries **20** marks.
4. Write clearly and legibly.
5. Do not write anything on the question paper.
6. Do not take Mobile Phones into the examination room.
7. Follow the instructions of the Examination Supervisor.
8. Indicate questions answered on the Answer Sheet in the column of Questions.

This paper consists of **5** printed pages.

-GOOD LUCK-

SECTION A:**COMPULSORY****(40 MARKS)****QUESTION ONE****Business Planning**

Makerere Tri-Cycle Ltd is a registered Company in Uganda. In a recent meeting, the Board of Directors approved a resolution to allow Management at Makerere Tri-Cycle Ltd to obtain a loan of UGX 400 million from Centenary Bank towards the purchase of 120 Tri-Cycles. Makerere Tri-Cycles Ltd intends to rent Tri-Cycles to Makerere University students, as well as anyone who would have a need for efficient, around-town transportation. There is currently no business like this, in and around Makerere University, which caters to this market.

You have just been recruited as the Chief Executive of Makerere Tri-Cycle Ltd and among the urgent issues you found in the hand over report was the preparation of a business plan which was required by the Bank before reimbursement of funds.

Required

- a) As a recent student of Transportation management, prepare a Business plan
(20 marks)

- b) "The application of Information and Communication Technology (ICT) can have a significant impact upon the management of transport operations in general and profound effects on the organization function in particular".
 - i. Discuss the extent to which you agree with this statement with reference to the impact of ICT on transportation and fleet management. **(10 marks)**

 - ii. Identify four information technology tools that Makerere Tri-Cycle Ltd can use to integrate its suppliers and customers and discuss how each of these tools contributes to their success. **(10 marks)**

SECTION B: ANSWER ANY THREE QUESTIONS FROM THIS SECTION**QUESTION TWO**

"Fleet Management is not a onetime event, but a continuous process that provides for continued cost reductions and savings over time"

Required

- a) Using any organization you are familiar with, explain how you would manage transport and fleet services effectively, efficiently and economically. **(10 Marks)**
- b) Suggest ways you can come up with to elevate your Fleet Management Skills **(10 Marks)**

QUESTION THREE

Transportation and distribution whether local or international is a vulnerable area that requires coming up with ways to avert the health, security and safety issues in distribution?

Required

As a fleet management expert, what recommendations would you make to your management in regard to health and safety issues while moving items to wherever they may be required? **[20 marks]**

QUESTION FOUR

Accident and fuel management are crucial aspects of an efficient fleet and transport operation. Many experts in the field of transport and fleet management have cited the two as key performance indicators for any organization and also as key contributors to the bottom line of an organization.

Required

In light of the above your organization has organized a symposium and you have been appointed to make a presentation; explain what you would include in your presentation paper under the themes:

- a) "Reducing your fuel bills in the 21st century". **(10 marks)**

b) "Managing occupational road risks, accident and reporting".

(10 Marks)

QUESTION FIVE

Organizational vehicles are always a very emotional topic as there is so much talk of the economy and downsizing to improve economy to the employer. Selecting vehicles for an organization is a difficult task to many fleet managers world over due to the array of options that are at their disposal and also the issue of ensuring that the vehicles acquired meet the organizational needs.

Required

- a) Using examples, explain the range of acquisition options you may suggest to your fleet manager to consider when acquiring vehicles. (10 marks)
- b) If your developing a fleet composition structure, what aspects should you consider in determining your fleet needs. [10 marks]

QUESTION SIX

The Second Kampala Institutional and Infrastructure Development Project (KIIDP-2) for Uganda seeks to enhance infrastructure and institutional capacity of Kampala Capital City Authority (KCCA) to improve urban mobility for inclusive growth. There are two components to the project, the first component being city wide road infrastructure and associated investments. The component focuses mainly on the construction and rehabilitation of the existing road network and associated infrastructure in the five KCCA divisions. The Second Component is the institutional and systems development support.

The project considers Transport Capacity in the first component as very crucial, both internally and externally especially to the donor (World Bank) and puts emphasis on Dynamic Capacity achieved per day as a key performance metric.

The project has acquired a number of trucks to facilitate the movement of earth. The following information was obtained from the Directorate of Works and Technical services regarding the Transport Capacity at City Hall.

Number of trucks available	-	50
Static Capacity per truck	-	10 tons
Number of trips per day	-	2
Length of a route	-	10 Km

Required

- a) Define Transport Capacity (8 marks)
- b) Calculate the Dynamic Capacity that can be achieved per day. (12 marks)