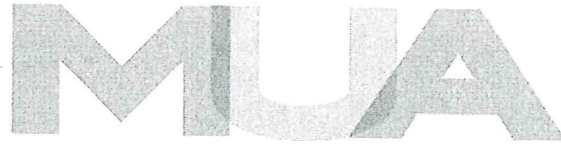


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POSTGRADUATE UNIVERSITY EXAMINATIONS
SCHOOL OF MANAGEMENT AND LEADERSHIP
DEGREE OF DOCTOR OF PHILOSOPHY IN MANAGEMENT AND
LEADERSHIP

DLS 903: **ADVANCED LOGISTICS AND SUPPLY CHAIN MANAGEMENT**

DATE: **8TH AUGUST 2024**

DURATION: 3 HOURS

MAXIMUM MARKS: 50

INSTRUCTIONS:

1. Write your registration number on the answer booklet.
2. **DO NOT** write on this question paper.
3. This paper contains **FOUR (4)** questions.
4. Question **ONE** is compulsory.
5. Answer any other **TWO** questions.
6. Question **ONE** carries **30 MARKS** and the rest carry **10 MARKS** each.
7. Write all your answers in the Examination answer booklet provided.

been significantly reduced. And, more improvements were underway, including the implementation of proprietary software to provide instant access to real-time updates from every supply chain participant.

Challenges

- To reduce costs and inefficiencies in GMM's growing inbound transportation network
- To increase overall visibility throughout GMM's supply chain
- To establish accountability procedures and measures for GMM's suppliers and carriers

Required:

a) Highlight the measures to address the challenges facing GM distribution network

(5 marks)

b) GMM implemented proprietary software in supply chain. Explain the benefits of implementing Software in supply chain.

(5 marks)

QUESTION THREE

a) Evaluate five reasons as to why logistics has to be effectively managed in an economy

(5 marks)

b) Logistics system comprises various players in the supply chain. Discuss five players in the logistics system.

(5 marks)

QUESTION FOUR

Ford Motor Company, one of the world's largest automotive manufacturers, has worked with PEN on several Six Sigma initiatives. As its lead logistics provider (LLP), Pen's quality team of associates are trained in Six Sigma practices and work closely with Ford to streamline operations and create and maintain a more centralized logistics network. Together, they uncovered several areas for real cost savings as a result of reducing

inbound carrier discrepancies, eliminating unnecessary premium costs and reducing shipment overages. Plus, PEN implemented accountability procedures and advanced logistics management technologies to gain more visibility of its overall supply network.

Challenges

- To develop, implement and operate a centralized logistics network for Ford
- To streamline supplier and carrier operations for improved performance and accountability
- To provide Ford with real-time supply chain and financial visibility

Required:

- a) As a logistics consultant advise Ford Company on the measures to mitigate the challenges facing Ford company logistics network. (5 marks)
- b) LLP worked closely with Ford to streamline operations and create and maintain a more centralized logistics network. Explain the merits of centralized logistics network. (5 marks)

