



**FACULTY OF BUSINESS MANAGEMENT**  
**END OF SEMESTER EXAMINATIONS - APRIL 2025**

**PROGRAMME: MBA**

**YEAR/SEM: YEAR 2/SEMESTER 1**

**COURSE CODE: MBA 854**

**NAME: GLOBAL LOGISTICS AND SUPPLY CHAIN MANAGEMENT**

**DATE: 2025-04-22**

**TIME: 2:00-5:00PM**

**INSTRUCTIONS TO CANDIDATES:**

1. Read the instructions very carefully
2. The time allowed for this examination is STRICTLY three hours
3. Read each question carefully before you attempt and allocate your time equally between all the Sections
4. Write clearly and legibly. Illegible handwriting cannot be marked
5. Number the questions you have attempted
6. Use of appropriate workplace examples to illustrate your answers will earn you bonus marks
7. Any examination malpractice detected will lead to automatic disqualification.

**DO NOT WRITE ANYTHING ON THE QUESTION PAPER**

## Section A Answer all the questions in section A

### Question 1:

#### Inventory Management at EAC airline Company

As the EAC airline company is required by law to perform a complete inventory of goods every two years, the company needed a reliable and innovative solution to manage the inventory efficiently while maintaining data accuracy. They were also using the conventional storage systems. The company preferred the system that is based on sequence, activity level, and activity to space levels which supports ease of retrieval. This company had problematic reasons for carrying inventory in this company. An airline company that operates multiple warehouses for aviation parts and consumables, managed by both national and private sector companies, required the support of RGIS. These warehouses do not share a unified warehouse management system (WMS), resulting in incomplete and inconsistent data for inventory control. Additionally, some parts labels lacked critical information, making the inventory process challenging. After several years of considering other providers, the airline company selected RGIS for its innovative Vision OCR technology, which provided a competitive edge in automating data collection. It also held different functional types of inventories. This technology was crucial for overcoming the challenge of incomplete information on part labels and enabling more efficient inventory counts.

#### Answer the following questions

- i) Explain the conventional storage systems that the airline company could be using (5 Marks)
- ii) Explain the objectives for which this airline company decided to automate its storage operations (10 Marks)
- iii) Explain the kind of inventory that could be found in the warehouses mentioned in the case (6 Marks)
- iv) Explain briefly the problematic reasons for carrying inventory in this company (8 Marks)
- v) Briefly describe the functional types of inventories that could be in the warehouses of this airline company (7 Marks)
- vi) Explain the reasons why this company decided to use the dedicated storage system (4 Marks)

## Section B Choose any THREE questions from Section B

### Question 1:

Cross-docking is well-suited to specific business needs and product types. Explain with examples the products that are a good match for cross-docking and the benefits companies get from cross -docking in the logistics and supply chain systems. (20 Marks)

### Question 2:

Mr. Aleper is a manufacturer with a mattress company. He wants to deal with the bullwhip effect on the supply chain phenomenon which describes how small fluctuations in demand at the retail level can cause progressively larger fluctuations in demand at the wholesale, distributor, manufacturer and raw material supplier levels.

Explain to Mr. Aleper the different categories of retailing such that he can plan his supply chain and logistics for the coming five years of production. (20 Marks)

### Question 3:

AS a student of Global logistics and Supply chain management, in a workshop organized by IUEA, explain to the participants the reasons why logistics companies like Maersk have continued to use automation and e-commerce in their operations. Use practical examples in your presentation (20 Marks)

**Question 4:**

Many companies look at Logistics in the perspectives of production, transportation and Storage. You are an expert in Warehousing and Storage business.

Explain to the East African Community Logistics companies' managers, the objectives and reasons for automating Storage Operations **(20 Marks)**.

**Question 5:**

As a consultant of Global logistics and Supply Chain management you have been hired to give a talk to Aleper Logistics company in the East African Community.

a). Explain to the staff the supplier performance metrics **Aleper Logistics company** can use in its supplier performance **(10 Marks)**

b). Explain to the staff the characteristics of good measures in supplier performance measurement **(10 Marks)**  
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**Question 6:**

Uganda Best tyres company ltd has realized that international trade is based on the recognition that it can buy goods from a supplier in one country, use logistics to move them, and then sell them at a profit to a customer in another country. But international logistics are different from national logistics and it is not just a case of moving the same activities to another location.

As an expert of global logistics and Supply chain management discuss the common differences between international logistics and national logistics. **(20 Marks)**