

ACADEMIC YEAR 2023 - 2024

Program	Year	Semester	Paper
LTM	Second	I	MID TERM
MODULE NAME:	Logistics Management		
MODULE CODE:	PTRL II.I	EXAM DATE:	07.11.2023
INSTRUCTOR's NAME:	Mrs.Shaima Almaqbalia	DURATION:	2 hrs.

Questions to be answered on: <input checked="" type="checkbox"/> Space provided on the question paper	Allowed tools: Pen, Pencil & Calculator	Number of pages (Incl. cover page): 6
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Points of attention:

- For each question, the maximum earned points are mentioned between brackets at the end of each question.
- Write very clearly! Answers that are not readable are not marked and don't get points!
- Make sure your answers are written to the point.
- All answers should be written **in English**.
- Write all the answers in **blue or black pen only**.
- Use the **pencil** only for **diagrams & graphs**.
- Show all the calculation steps in the given space.
- When finished submit the question paper, together with the answer scripts and the signed cover page to the invigilator.
- Any cheating/copying may result in an instant failing of the examination.

FINAL MARKS		
STUDENT NAME:		30
STUDENT ID:		10

Number of answer scripts:.....

Invigilator:.....

Student's signature:

Time of receipt:.....

Question One: Understanding & Remembering Questions (9 Marks)

Answer the following questions:

1. Explain the concept of inventory management in logistics. (3 marks)
2. What are the various costs associated with holding inventory, and how can businesses optimize their inventory levels? (3 marks)

3. Discuss the role of technology and information systems in improving logistics operations. Provide examples of how technology can enhance supply chain visibility and decision-making. (3 marks)

Question Two: Analysing and Applying Questions (14 Marks)

Answer the following questions:

1. Explain the concept of the reorder point in inventory management. Provide a real-life example of a situation where calculating the reorder point is essential for a business to ensure uninterrupted supply and meet customer demand. (6 Marks)

2. A company has an annual cost of goods sold (COGS) of \$2.5 million and an average inventory value of \$500,000. Calculate the company's inventory turnover ratio. Then, explain your result (4 marks)
3. A retailer sells 10,000 units of a product annually, with a cost of placing an order at \$50 per order and a holding cost of \$2 per unit per year. Calculate the EOQ for this product. Then, explain your result (4 marks)

Question Three: Evaluating Questions (7 Marks)

Answer the following questions:

1. You are responsible for managing the logistics of a food supply chain, ensuring that perishable food items are delivered to various locations while minimizing food spoilage and waste. Food items have different shelf lives and temperature requirements, and your goal is to optimize the supply chain to reduce spoilage while meeting customer demand efficiently.

What key parameters can be utilized in the given scenario? (4 marks)

2. How can organizations ensure the quality and compliance of perishable goods, such as food and pharmaceuticals, during transportation and storage? (3 marks)

The end of the exam

MLO & Bloom's Level of Complexity

Q #	MLO Addressed	Complexity Level	Mark	Remark
1	MLO 1	Knowledge & Understanding	2	
	MLO 1	Knowledge & Understanding	3	
	MLO 1	Knowledge & Understanding	3	
2	MLO 2&3	Analysing and Applying	6	
	MLO 2&3	Analysing and Applying	4	
	MLO 2&3	Analysing and Applying	4	
3	MLO 4	Evaluating	4	
	MLO 4	Evaluating	3	