

## ACADEMIC YEAR 2023 - 2024

Program	Year	Semester	Paper
<b>LTM</b>	<b>I</b>	<b>I</b>	<b>MID TERM</b>
MODULE NAME:	<b>Introduction to Logistics</b>		
MODULE CODE:	<b>PTRL I.I</b>	EXAM DATE:	09.11.2023
INSTRUCTOR's NAME:	<b>Mrs.Shaima Almaqbalia</b>	DURATION:	<b>2 hrs.</b>

<b>Questions to be answered on:</b> <input checked="" type="checkbox"/> Space provided on the question paper	<b>Allowed tools:</b> Pen, Pencil & Calculator	<b>Number of pages</b> (Incl. cover page): <b>7</b>
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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.

<b>FINAL MARKS</b>		
<b>STUDENT NAME:</b>		<b>30</b>
<b>STUDENT ID:</b>		<b>10</b>

Number of answer scripts:.....

Invigilator:.....

Student's signature: .....

Time of receipt:.....

## **Question One: Understanding & Knowledge (6 Marks)**

**Choose the correct answer for the following questions:**

1. When calculating the total cost of importing electronic products from Japan to Oman, which of the following cost components should an importer consider? **(1 Mark)**

- A) Production costs in China
- B) Shipping costs
- C) Import duties and taxes
- D) All of the above
- E) None of the above

2. \_\_\_\_\_ is the lead time that involves the time from placing an order with a Chinese supplier to the arrival of the electronic shipments in Oman? **(1 Mark)**

- A) Production time
- B) Shipping time
- C) Order Cycle time
- D) Procurement time

3. Which shipping method is generally faster for importing electronic goods from United Kingdom to Oman? **(1 Mark)**

- A) Sea freight
- B) Air freight
- C) Rail transport
- D) Truck transport

**Enclose the words "True" or "False" within brackets. (3 Marks)**

1. The main goal of logistics is to minimize costs, which is why it often involves choosing the cheapest transportation options. ( )
2. The term "logistics" only applies to the physical movement of goods and does not include the management of information and processes. ( )
3. In logistics, the term "reverse logistics" refers to the process of efficiently returning bad products to the manufacturer. ( )

## **Question Two: Analysing and Applying (18 Marks)**

### **Answer the following questions:**

1. You are importing electronic goods with a total value of \$20,000 from USA to Oman. The customs duties in Oman for these goods are 8%. **(3 Marks)**

Calculate the total customs duties you need to pay.

2. The total weight of your shipment of electronic goods from China to Oman is 5,000 kilograms. The shipping company charges \$2 per kilogram for air freight and \$1 per kilogram for sea freight. **(4 Marks)**

Calculate the total shipping cost for both air and sea freight options.

3. The production time for a specific electronic product is 45 days, and the shipping time from China to Oman is 30 days by sea. **(3 Marks)**

Calculate the total lead time for this product.

4. A company receives a customer's order at 9:00 AM. The order processing and preparation for shipment take 2 hours. The product is then shipped, and the transportation time is 1 day. The customer receives the product at 3:00 PM the next day. Calculate the order cycle time for this specific order and express the result in hours. **(4 Marks)**

5. Calculate the EOQ for a product with the following parameters: annual demand of 10,000 units, ordering cost of \$200 per order, and holding cost of \$5 per unit per year. **(4 Marks)**

### **Question Three: Evaluating (6 Marks)**

1. How can a long order cycle time negatively affect customer satisfaction and overall profitability? **(2 Marks)**

2. Imagine you are a logistics manager for a company that currently does not use the EOQ model. Evaluate the potential advantages of implementing the EOQ model in your organization? **(2 Marks)**
3. Evaluate the role of technology in improving customer service within a logistics company. **(2 Marks)**

## The end of the exam

### MLO & Bloom's Level of Complexity

Q #		MLO Addressed	Complexity Level	Mark	Remark
1	Multiple choice	MLO 1	Knowledge & Understanding	3	
	True & Fales	MLO 1	Knowledge & Understanding	3	
2		MLO 2&3	Analysing and Applying	3	
		MLO 2&3	Analysing and Applying	4	
		MLO 2&3	Analysing and Applying	3	
		MLO 2&3	Analysing and Applying	4	
3		MLO 4	Evaluating	2	
		MLO 4	Evaluating	<b>2</b>	
		MLO 4	Evaluating	<b>2</b>	