

ACADEMIC YEAR 2023 - 2024

Program	Year	Semester	Paper
LTM	I	I	MID TERM

MODULE NAME:	Introduction to Logistics		
MODULE CODE:	PTRL I.I	EXAM DATE:	09.11.2023
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): 7
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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.

STUDENT NAME: <input style="width: 90%;" type="text"/> STUDENT ID: <input style="width: 90%;" type="text"/>	FINAL MARKS <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="width: 50%; height: 60px;"></td> <td style="width: 50%; text-align: center; font-size: 24px; font-weight: bold;">30</td> </tr> <tr> <td style="height: 60px;"></td> <td style="text-align: center; font-size: 24px; font-weight: bold;">10</td> </tr> </table>		30		10
	30				
	10				

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	2	
		MLO 4	Evaluating	2	