

SULIT



**KEMENTERIAN PENDIDIKAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI**

**BAHAGIAN PEPERIKSAAN DAN PENILAIAN
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI
KEMENTERIAN PENDIDIKAN TINGGI**

JABATAN PERDAGANGAN

PEPERIKSAAN AKHIR

SESI II : 2024/2025

DPP40083: INTRODUCTION TO LOGISTICS MANAGEMENT

TARIKH : 14 MEI 2025

MASA : 2.30 PETANG – 4.30 PETANG (2 JAM)

Kertas ini mengandungi **LIMA (5)** halaman bercetak.

Struktur (4 soalan)

Dokumen sokongan yang disertakan : Tiada

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIARAHKAN

(CLO yang tertera hanya sebagai rujukan)

SULIT

INSTRUCTION:

This section consists of **FOUR (4)** structured questions. Answers **ALL** questions.

QUESTION 1

- | | | |
|------|---|------------|
| CLO1 | (a) List FIVE (5) objectives of logistics. | [5 marks] |
| CLO1 | (b) Explain FOUR (4) modes of transportation. | [10 marks] |
| CLO1 | (c) Examine the impact this pricing factors with examples in influencing the rates of transportation economics and pricing.

i. Stowability

ii. Handling

iii. Liability

iv. Market | [10 marks] |

QUESTION 2

- CLO1 (a) List **FIVE (5)** components of inventory cost in logistics operations.
[5 marks]
- CLO1 (b) Explain **TWO (2)** functions of inventory in logistics operations.
[5 marks]
- CLO1 (c) Iboo Manufacturing purchases raw materials for its production process. The company experiences an annual demand of 10,000 units, with an ordering cost of RM50 per order and a holding cost of RM2 per unit per year. The supplier's lead time is 5 days, and the company operates 250 working days per year. Later, the company negotiates with a new supplier who reduces the ordering cost to RM30 per order while all other factors remain unchanged.
- i. Calculate the Economic Order Quantity (EOQ) for the original supplier.
[5 marks]
- ii. Calculate the Economic Order Quantity (EOQ) for the new supplier.
[5 marks]
- iii. Calculate the Reorder Point (ROP).
[5 marks]

QUESTION 3

- CLO1 (a) Elaborate **TWO (2)** benefits of warehouse.

[5 marks]

- CLO1 (b) A company is planning to establish a new warehouse. Based on key considerations in warehouse planning and design, examine **FOUR (4)** factors that influence warehouse decision.

[10 marks]

- CLO1 (c) You are a supply chain manager at Green Tech Solutions, a company that produces eco-friendly consumer products. The management wants to implement sustainable supply chain practices to enhance environmental responsibility and reduce costs.

As a supply chain expert, examine **FOUR (4)** green supply chain practices that Green Tech Solutions can implement to achieve its sustainability goals.

[10 marks]

QUESTION 4

- CLO1 (a) Discuss **TWO (2)** benefits of green supply chain management.

[6 marks]

- CLO1 (b) Write **THREE (3)** differences between forward and reverse logistics.

[9 marks]

CLO1

(c) Tech Nova Solutions is a company that designs, manufactures, and sells consumer electronics such as smartphones, laptops, and smart home devices. The company operates manufacturing plants, distribution centers, retail stores, and service centers worldwide. In their daily operations:

- The company ships products from production facilities to various locations, ensuring availability for customers.
- Sometimes, customers request services to modify or upgrade their purchased products.
- A dedicated facility ensures proper sorting and repackaging before the products reach end users.
- Customers are encouraged to participate in a program where they exchange older products for newer models.
- If a product does not function properly upon arrival, customers can send it back for further inspection and resolution.
- The company distributes spare parts to service centers worldwide for repairs.
- Damaged or non-repairable electronic components are collected and sent for recycling or disposal.
- Bulk shipments of raw materials and components are sent from suppliers to manufacturing plants for production.
- Customers return a product within the warranty period for a refund or replacement.
- Promotional products and free samples are sent to customers as part of marketing campaigns.

The management wants to analyze its logistics operations. As a consultant, examine each process in their daily operation either forward or reverse logistics.

[10 marks]

END OF QUESTIONS