



**The Chartered
Institute of Logistics
and Transport**

INTERNATIONAL CERTIFICATE IN LOGISTICS AND TRANSPORT

SUPPLY CHAIN OPERATIONS

07-L3

NOVEMBER 2024

Note to Candidates

Candidates are advised to spend NOT more than 40 minutes on each question

Instructions to Candidates

- Duration of examination: **2.30 hours**
 - **Answer any FOUR questions**
 - Questions may be answered in any order.
 - Allocations of marks are indicated along each question.
 - Credit will be given for citing relevant examples.
 - Write legibly.
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QUESTION 1

- (a) For an organisation of your choice, what do you consider to be the key factors that have influenced the location of the production and distribution facilities. **(7 marks)**
- (b) Assess the four distinct production approaches that can be used in the design of supply chain structures for the organisation that you chose. **(8 marks)**
- (c) As the team leader, you have been tasked with recommending a production related or warehousing system for the organisation. What factors will you consider in the selection of an appropriate system for this organisation? **(8 marks)**
- (d) State the name of the system that you will recommend in 1 (c). **(2 marks)**

QUESTION 2

Take time to identify factors that are likely to impact on the operations of your organisation. Use the LoNGPEST grid to assist you in the exercise. **(25 marks)**

QUESTION 3

- (a) What are some of the factors that affect an organisation's ability to deliver on time? **(5 marks)**
- (b) Suggest how your organisation can minimise the impact of these factors on its ability to deliver on time. **(20 marks)**

QUESTION 4

Prepare a 'strengths' and 'weaknesses' analysis of the different modes of transport. **(25 marks)**

QUESTION 5

- (a) Define an agile supply chain. **(5 marks)**
- (b) Explain the difference between agile and lean supply chains. **(15 marks)**
- (c) List, giving examples, five technologies that have enhanced supply chain operations. **(5 marks)**

QUESTION 6

Identify some key performance indicators that an organisation of your choice uses.

- (a) Which ones are productivity and utilisation measures? **(10 marks)**
- (b) Suggest other performance indicators giving your reasons why they are important for this organisation. **(15 marks)**