



UNIVERSITI KUALA LUMPUR
Malaysian Institute of Marine Engineering Technology

FINAL EXAMINATION
OCTOBER 2025 SEMESTER SESSION

SUBJECT CODE : LOM10203

SUBJECT TITLE : MARITIME ECONOMICS

PROGRAMME NAME : MASTER OF MARITIME OPERATIONS AND
(FOR MPU: PROGRAMME LEVEL) MANAGEMENT

TIME / DURATION : 2.00 PM - 5.00 PM
(3 HOURS)

DATE : 26 JANUARY 2026

INSTRUCTIONS TO CANDIDATES

1. Please **CAREFULLY** read the instructions given in the question paper.
2. This question paper has information printed on both sides of the paper.
3. This question paper consists of **ONE (1)** section; Section A.
4. Answer any **FOUR (4)** questions **ONLY**.
5. Please write your answers on this answer booklet provided.
6. Answer **ALL** questions in English language **ONLY**.

THERE ARE 6 PAGES OF QUESTIONS, INCLUDING THIS COVER PAGE.

SECTION A (TOTAL: 100 MARKS)

**INSTRUCTION: Answer any FOUR (4) questions ONLY.
Please use the answer booklet provided.**

QUESTION 1

The maritime sector plays a central role in supporting global trade through its shipping functions, sea transport activities, and the development of specialised vessels for different cargoes. These components influence trade patterns and shape the economic structure of the shipping industry.

(a) Evaluate FIVE (5) functions of shipping in relation to global trade development.

(5 marks)

(b) Explain FIVE (5) significance of sea transport in international trade.

(5 marks)

(c) Interpret FIVE (5) impacts of ship and cargo specialisation on the economics of the shipping industry. Provide examples to support your answer.

(10 marks)

(d) Discuss FIVE (5) current issues affecting the shipping industry.

(5 marks)

QUESTION 2

The maritime transport market supports global trade by facilitating the movement of goods, shaping freight pricing, influencing market cycles, and adapting to sustainability trends. Understanding its structure and economic behaviour is essential for analysing trade flows and developments within the shipping industry.

- (a) Evaluate FIVE (5) key features of world maritime trade.
(5 marks)
- (b) Explain the shipping market cycle, supported by an appropriate visual illustration.
(5 marks)
- (c) Relate FIVE (5) economic principles that underpin maritime trade.
(10 marks)
- (d) Discuss FIVE (5) current impacts of sustainable shipping technology on the maritime transport market.
(5 marks)

QUESTION 3

Maritime transport costs shape freight markets, influence carrier profitability, and determine the competitive position of shipping services in global trade. Cost determinants such as ship value, capital structure, freight charges, and revenue decisions create complex interactions that require strategic and economic evaluation.

- (a) Evaluate FIVE (5) pricing considerations based on theories of passenger fares and freight rates.

(5 marks)

- (b) Explain FIVE (5) key cost elements within freight transport charges.

(5 marks)

- (c) Evaluate FIVE (5) determinants used in valuing merchant ships. Provide examples to support your answer.

(10 marks)

- (d) Discuss FIVE (5) uses of shipping accounts for decision-making.

(5 marks)

QUESTION 4

Port management and operations play a strategic role in supporting global supply chains, enabling the movement of goods, and adapting to rapid technological and competitive changes. Understanding port roles, regional correlations, automation trends, and port types is essential for analysing modern port performance.

(a) Evaluate FIVE (5) roles of seaports in the twenty-first century.
(5 marks)

(b) Explain FIVE (5) factors that reflect the interdependence between the world's leading terminals and major service operators.
(5 marks)

(c) Assess FIVE (5) factors that determine the operational relationship between leading Asian and ASEAN ports and their associated service operators.
(10 marks)

(d) Discuss FIVE (5) operational impacts of container port automation on port performance.
(5 marks)

QUESTION 5

Deep sea and short sea shipping form two important segments of maritime transport, each serving different markets, cargo types, and operational requirements. Their development is influenced by market demand, highway concepts, vessel technology, and regional initiatives across Asia.

(a) Evaluate FIVE (5) key differences in the characteristics of deep sea and short sea shipping. (5 marks)

(b) Assess FIVE (5) major market demands influencing the deep sea and short sea shipping sectors. (5 marks)

(c) Interpret FIVE (5) implications of marine highway concepts on regional shipping efficiency. (10 marks)

(d) Discuss FIVE (5) current issues affecting the ASEAN Nautical Highway concept. (5 marks)

END OF FINAL EXAMINATION QUESTION

