



UNIVERSITI KUALA LUMPUR
Malaysian Institute of Marine Engineering Technology

FINAL EXAMINATION
OCTOBER 2025 SEMESTER SESSION

SUBJECT CODE : **LOD10803**

SUBJECT TITLE : **PRINCIPLES OF SHIPPING**

PROGRAMME NAME : **DIPLOMA IN MARITIME MANAGEMENT**
(FOR MPU: PROGRAMME LEVEL)

TIME / DURATION : **09.00 AM - 11.30 AM**
(2 HOURS 30 MINUTES)

DATE : **29 JANUARY 2026**

INSTRUCTIONS TO CANDIDATES

1. Please read **CAREFULLY** 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 **TWO (2)** sections; Section A and Section B.
4. Answer **ALL** questions in section A and **ANY TWO (2)** questions in section B.
5. Please write your answers in the answer in booklet provided.
6. Answer **ALL** questions in English language **ONLY**.

THERE ARE 7 PAGES OF QUESTIONS, EXCLUDING THIS COVER PAGE

SECTION A (TOTAL: 60 MARKS)

INSTRUCTION: ANSWER ALL QUESTIONS.

Please use the answer booklet provided.

QUESTION 1

Understanding ship types, cargo characteristics, and maritime conventions forms the foundation of maritime transport knowledge. These elements help students recognise vessel functions and appreciate the regulatory framework that ensures safe and efficient shipping operations.

(a) Identify FIVE (5) types of ships used in maritime transport.

(5 Marks)

(b) List FIVE (5) types of specialised vessels commonly used in the shipping industry.

(5 Marks)

(c) Explain FIVE (5) purposes of the International Convention on Load Lines 1966 in promoting vessel safety.

(10 Marks)

QUESTION 2

Efficient manning of vessels requires proper organisation of the ship's workforce, clear allocation of duties, and adherence to international standards that govern training and certification. Understanding the roles of the master, ship officers, crew requirements, and crew engagement procedures forms the foundation of safe and compliant vessel operations.

(a) Explain FIVE (5) duties and responsibilities of the Master on board a vessel.

(5 Marks)

(b) State FIVE (5) positions included in the ship's officers and crew manning structure.

(5 Marks)

(c) Explain FIVE (5) functions of the STCW Convention in ensuring competent seafarers.

(10 Marks)

QUESTION 3

Maritime canals and inland waterways play an essential role in reducing sailing distance, improving trade connectivity, and supporting regional economic development. Understanding their functions and significance enables students to appreciate their contribution to global maritime transport.

- (a) State FIVE (5) important characteristics of the Panama Canal as a global maritime route.

(5 Marks)

- (b) Identify FIVE (5) major features of the Suez Canal that support international shipping.

(5 Marks)

- (c) Explain FIVE (5) advantages of using inland waterways for maritime transport.

(10 Marks)

SECTION B (TOTAL: 40 MARKS)

INSTRUCTION: ANSWER ANY TWO (2) QUESTIONS ONLY.

Please use the answer booklet provided.

QUESTION 1

Ship operations involve decisions related to planning sailing schedules, managing fleets efficiently, and ensuring accurate documentation. These elements influence operational performance, cost control, and the reliability of maritime services. A clear understanding of operational challenges helps in identifying suitable solutions in real shipping scenarios.

- (a) Analyse FIVE (5) factors a shipping company must consider when planning sailing schedules.

(10 Marks)

- (b) Evaluate FIVE (5) operational consequences that may occur when shipping documentation is not properly managed.

(10 Marks)

QUESTION 2

Charter parties form the foundation of commercial shipping agreements, defining the responsibilities, risks, and financial obligations between shipowners and charterers. Understanding charter structures and their operational implications helps explain the differences between charter types and their impact on maritime business decisions.

(a) Analyse FIVE (5) differences between demise and non-demise charter parties.

(10 Marks)

(b) Evaluate FIVE (5) operational impacts of using an unsuitable charter party form in shipping activities.

(10 Marks)

QUESTION 3

The maritime transport market is shaped by cyclical fluctuations, market structures, and underlying economic principles. Understanding these elements helps explain market behaviour and how it influences shipping decisions.

(a) Analyse FIVE (5) factors that drive movement within the shipping market cycle.

(10 Marks)

(b) Evaluate FIVE (5) ways different types of shipping markets influence maritime trade.

(10 Marks)

END OF FINAL EXAMINATION QUESTION