



UNIVERSITI KUALA LUMPUR
Malaysian Institute of Marine Engineering Technology

FINAL EXAMINATION
JULY 2025 SEMESTER SESSION

SUBJECT CODE : LMB32102

SUBJECT TITLE : MARITIME LEGISLATION 1

PROGRAMME NAME : BACHELOR OF MARINE ENGINEERING
(FOR MPU: PROGRAMME LEVEL) TECHNOLOGY WITH HONOURS

TIME / DURATION : 9.00 AM - 11.30 AM
(2 HOURS 30 MINUTES)

DATE : 20 DECEMBER 2025

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 **THREE (3)** questions **ONLY** in Section B.
5. Please write your answers on the answer booklet provided.
6. Answer **ALL** questions in English language **ONLY**.

THERE ARE 4 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.

SECTION A (Total: 40 marks)

**INSTRUCTION: Answer ALL questions.
Please use the answer booklet provided.**

Question 1

With reference to introduction to maritime law and the United Nations Convention on the Law of the Sea (UNCLOS),

- a) Identify **FOUR (4)** forms or titles that treaties can take in practice. (4 marks)
- b) State **TWO (2)** key aspects upon which maritime law is based. (4 marks)
- c) Describe **THREE (3)** required documents involved in the process for the permanent registration of a ship. (6 marks)
- d) With the aid of a table, outline the differences between Public International Law and Private International Law, based on their definition and the parties they deal with. (8 marks)

Question 2

With reference to the ILL, COSWP, MARPOL and SOLAS codes and conventions,

- a) Describe the following terms from the International Convention on Load Lines (ILL), 1966:
 - i. New ship (2 marks)
 - ii. International voyage (2 marks)
- b) According to the Code of Safe Working Practices for Merchant Seamen (COSWP), explain **TWO (2)** principles that apply when using a permit-to-work. (4 marks)
- c) Identify the **SIX (6)** annexes of the MARPOL Convention. (9 marks)
- d) With reference to SOLAS Chapter II-1, describe the purpose of subdividing passenger ships into watertight compartments. (3 marks)

SECTION B (Total: 60 marks)

INSTRUCTION: Answer ONLY THREE (3) questions.

Please use the answer booklet provided.

Question 3

With reference to conventions and legislations adopted by various countries,

- a) A U.S.-flagged vessel is tasked with transporting municipal waste along the coast. By applying the Shore Protection Act, relate **TWO (2)** key requirements to regulate this activity.

(6 marks)

- b) A company in the United States is planning to dispose of industrial waste by dumping it in the ocean.

- i. Examine **TWO (2)** general prohibitions made by the Marine Protection, Research, and Sanctuaries Act (Ocean Dumping Act).

(4 marks)

- ii. Predict if this action based on (i) is permissible.

(2 marks)

- c) A coastal community is experiencing poor water quality at its beaches, affecting tourism. Use the Beaches Environmental Assessment and Coastal Health Act (BEACH Act) to develop a **TWO (2)** part strategy to address this issue.

(4 marks)

- d) The Clean Water Act (CWA) establishes the basic structure for regulating pollutant discharges in the United States. Examine any **TWO (2)** key provisions of the 1972 amendments to the CWA.

(4 marks)

Question 4

With reference to Oil Record Book (ORB) and anti-pollution equipment;

- a) Examine any **FIVE (5)** machinery space operations that must be recorded in the ORB Part I.
(10 marks)
- b) A ship is planning to discharge treated sewage into the sea. Based on MARPOL Annex IV, relate **THREE (3)** key parameters of effluent standards for a treatment plant installed after January 1, 2010.
(6 marks)
- c) Being one of the methods to dispose waste on ships, predict **TWO (2)** situations happen to the solid, liquid, and gaseous products after an incineration process.
(4 marks)

Question 5

With reference to Garbage Management (GMP) and ballast water management (GWM) plans;

- a) With the aid of a table, compare between requirements for carrying a Garbage Management Plan (GMP) and a Garbage Record Book by identifying the specific vessel types and sizes to which each applies.
(8 marks)
- b) Analyse **THREE (3)** contents of a Garbage Management Plan (GMP) by breaking down the key procedures and information it should include.
(6 marks)
- c) In dealing with Ballast Water Management Plan, outline **THREE (3)** key information it must contain to prevent pollution and maintain the safety.
(6 marks)

Question 6

With reference to proactive actions to protect the marine environment;

a) Relate a day-to-day shipboard operation by providing **TWO (2)** specific examples for each of the following areas:

i. Crew safety

(4 marks)

ii. Cargo safety

(4 marks)

iii. Protection of the marine environment.

(4 marks)

b) Investigate the record-keeping requirements for sludge and bilge management on board a ship by identifying **FOUR (4)** key compliance points related to the Oil Record Book and the IOPP certificate.

(8 marks)

END OF QUESTION PAPER