



UNIVERSITI KUALA LUMPUR
Malaysian Institute of Marine Engineering Technology

FINAL EXAMINATION
JULY 2025 SEMESTER SESSION

SUBJECT CODE : LMD32002

SUBJECT TITLE : MARITIME LEGISLATION

PROGRAMME NAME : DIPLOMA OF ENGINEERING TECHNOLOGY IN
(FOR MPU: PROGRAMME LEVEL) MARINE ENGINEERING

TIME / DURATION : 9.00 AM - 12.00 PM
(3 HOURS)

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 **TWO (2)** 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: 60 marks)

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

Question 1

With reference to the International Convention for the Prevention of Pollution from Ships (MARPOL), oil tankers and other ships are subjected to the requirements as stipulated in the Annex I.

- a) State THREE (3) procedures taken by the surveyors upon observing that the condition of the ship or its equipment is unsatisfactory.
(6 mark)
- b) State TWO (2) conditions in which oily mixture can be discharged from oil tanker.
(4 marks)
- c) There are some exceptions in which carriage of ballast can be carried in cargo tanks. Identify THREE (3) of its justifications.
(6 marks)
- d) Explain TWO (2) requirements for such oil tankers to be equipped with crude oil washing (COW) systems.
(4 marks)

Question 2

With reference to the International Convention for the Prevention of Pollution from Ships (MARPOL), Annex II regulates control of pollution by noxious liquid substances in bulk.

- a) With aid of a table, Identify the quantity of residue in the tank and associated piping allowed for category X, Y and Z substances with respect to the following construction dates:
- i. Between 1st July 1986 and 31st December 2006
 - ii. 1st January 2007 onwards
- (6 marks)
- b) Every certified ship under this Annex shall be provided with the Procedure and Arrangement (P&A) Manual. Describe any FOUR (4) activities involved in this manual.
- (8 marks)
- c) Cargo record book is also required for ships within this Annex. State any THREE (3) of its features.
- (6 marks)

Question 3

With reference to Anti Fouling Systems (AFS), the attachment of sea life to ship's hull slows down the ship and increases fuel consumption and therefore require proper protection.

- a) Describe TWO (2) main contents of this convention.
- (4 marks)
- b) State TWO (2) target areas carried out by the Parties to the convention in prohibiting or restrict the use of harmful AFS.
- (4 marks)
- c) Identify TWO (2) regulations enforced with respect to the application of organotin compounds in the anti-fouling systems.
- (4 marks)
- d) Explain TWO (2) requirements for each of the following types of ships:
- i. Ships of 400 gross tonnage and above
 - ii. Ships of 24 meters in length and above but less than 400 gross tonnages
- (8 marks)

SECTION B (Total: 40 marks)

INSTRUCTION: Answer ONLY TWO (2) questions.

Please use the answer booklet provided.

Question 4

With reference to the International Convention Relating to Intervention on the High Seas in Cases of Oil Pollution Casualties 1969 (INTERVENTION 1969), the convention deals with casualties involving pollution by oil and hazardous noxious substance (HNS).

- a) Determine TWO (2) fundamental rights owned by coastal states in response to the above convention. (4 marks)
- b) Outline TWO (2) obligations by the coastal states in dealing with measures taken towards marine casualty. (4 marks)
- c) Identify FOUR (4) entities consulted by Coastal State in conjunction with this convention. (8 marks)
- d) The convention also extends the provision to other hazardous substances. Highlight TWO (2) of its developments. (4 marks)

Question 5

With reference to Control of Discharge of Oil, the mission incorporates not only hull design and structural criteria, but also supported with filtering equipment and proper operational conduct.

- a) A Particularly Sea Sensitive Area (PSSA) requires rigorous care once endorsed by the IMO. Predict THREE (3) control measures to be enforced in this area.
(6 marks)
- b) In dealing with pollution prevention in the event of collision for newbuild oil tankers as per Regulation 13F, identify TWO (2) of its requirements for ballast and cargo piping.
(4 marks)
- c) In dealing with pollution prevention in the event of collision for existing oil tankers as per Regulation 13G, outline THREE (3) areas of inspection, survey, and condition reports.
(6 marks)
- d) The oil water separator facilitates minimal release of oil upon discharge into the sea. Explain TWO (2) of its operation principles.
(4 marks)

Question 6

With reference to Oil Record Books (ORB), merchant ships are required to carry onboard oil record books and correct entry of the book is important to cope with oil pollution inquiry.

- a) Determine FIVE (5) operations when the ORB must be completed.
(10 marks)
- b) In dealing with ORB Part-1, outline any FOUR (4) entries required for ballasting of oil fuel tanks.
(8 marks)
- c) Identify ONE (1) action taken in observing accidental discharge of oily mixture.
(2 marks)

END OF QUESTIONS