



UNIVERSITI KUALA LUMPUR
Malaysian Institute of Marine Engineering Technology

FINAL EXAMINATION
FEBRUARY 2025 SEMESTER SESSION

SUBJECT CODE : LMD25903

SUBJECT TITLE : INTERNATIONAL MARITIME LAW

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

TIME / DURATION : 09.00 AM – 12.00 PM
(3 HOURS)

DATE : 23 JUNE 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** question in Section A, and **TWO (2)** questions **ONLY** in Section B.
5. Please write your answers on this answer booklet provided.
6. Answer **ALL** questions in English language **ONLY**.

THERE ARE 5 PAGES OF QUESTIONS, INCLUDING 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), the prevention towards deliberate discharge of oil from ship is mainly the responsibility of the ship's crew, stipulated in Annex I of the present convention, subjected to its designated areas.

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- a) State **FIVE (5)** discharge requirements outside special areas for oil tankers.
(10 marks)
 - b) Name any **SIX (6)** of its designated special areas.
(6 marks)
 - c) Identify **TWO (2)** differences between tanker ship and other ships, with respect to discharge requirements in special area.
(4 marks)

Question 2

With reference to the International Convention for the Prevention of Pollution from Ships (MARPOL), air pollution from ship indirectly contributes to the overall air quality problems and the Annex VI serves to limit air pollutants from ships' exhaust gas, including sulphur oxides (SOx) and nitrous oxides (NOx).

- a) State **FOUR (4)** NOx control requirements.
(8 marks)
- b) Tabulate the **THREE (3)** tiers of NOx limits (g/kWh) with respect to engine's rated speed and ship construction date.
(12 marks)

Question 3

With reference to the International Convention for the Prevention of Pollution from Ships (MARPOL), stringent rules have been implemented to regulate disposal of waste at sea by ships, as per stated in MARPOL annex V.

- a) Identify **TWO (2)** applicable vessels for each of the following garbage management system:
- i. Garbage management plan (4 marks)
 - ii. Garbage Record Book (4 marks)
 - iii. Placard (4 marks)
- b) Describe **FOUR (4)** discharge events that subjected to entry in the garbage record book. (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 Ballast Water Management (BWM) Convention,

a) Find the differences between Regulation D1 and D2 with respect to the following factors:

- i. Operation principle (4 marks)
- ii. Amounts of organisms left (4 marks)
- iii. Installation required (4 marks)

b) Predict the requirements for existing and new vessel whether to comply with D1 or D2 standard with respect to the following timelines:

- i. Between year 2019 and year 2024 (4 marks)
- ii. After year 2024 (4 marks)

Question 5

With reference to anti-pollution equipment, find the differences between chemical sewage treatment and biological sewage treatment with respect to the following items:

- a) Size (4 marks)
- b) Working principle (4 marks)
- c) Process of duration (4 marks)
- d) Sewage flow continuity (4 marks)
- e) Sequence (4 marks)

Question 6

With reference to proactive measures to protect the marine environment, compliance with regulatory requirements involves consideration on the equipment used, documentation needed, and properly trained crew, to make sure that the cargo holds are properly cleaned.

- a) With proper sequence, arrange **FIVE (5)** bulk carrier's cargo hold cleaning operations.
(10 marks)

- b) Identify **FOUR (4)** measures in dealing with bulk carrier's cargo hold swept cleaning.
(10 marks)

END OF QUESTIONS

