



**UNIVERSITI KUALA LUMPUR**  
**MALAYSIAN INSTITUTE OF MARINE ENGINEERING TECHNOLOGY**

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**FINAL EXAMINATION**  
**JANUARY 2016 SEMESTER**

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**COURSE CODE** : LMD22903

**COURSE NAME** : MARITIME LAW AND SOLAS

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

**DATE** : 19 MAY 2016

**TIME** : 02.00 PM – 04.30 PM

**DURATION** : 2 HOURS 30 MINUTES

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**INSTRUCTIONS TO CANDIDATES**

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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 **TWO (2)** sections; Section A and Section B.
4. Answer **ALL** questions in Section A. For Section B, answer **TWO (2)** questions only.
5. Please write your answers on the answer booklet provided.
6. Answer all questions in English language **ONLY**.

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**THERE ARE 4 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.**

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**SECTION A (Total: 60 marks)**

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

**Question 1**

- (a) Briefly describe the roles and functions of **THREE (3)** United Nations agencies which have contributed immensely in the development of maritime affairs related to human capital, technical matters and commerce.  
(10 marks)
- (b) In order to comply with the International Safety Management (ISM) code, each ship class must have a working Safety Management System (SMS). Describe at least **FIVE (5)** elements present in the SMS for the ISM Code to be in full compliance.  
(10 marks)

**Question 2**

- (a) Describe and list at least **FIVE (5)** sources of marine oil pollution coming from the ships and offshore platforms operations.  
(10 marks)
- (b) MARPOL 73/78 is one of the most important international marine environmental conventions, describe the **SIX (6)** annexes which illustrate the coverage.  
(10 marks)



**Question 3**

- (a) Explain the clause on "force majeure" which is always included in any marine insurance agreement and give **THREE (3)** examples of situations that can be classified under that force majeure clause.

(10 marks)

- (b) Describe at least **THREE (3)** types of marine insurance coverage for ships and its cargoes while operating at sea.

(10 marks)



**SECTION B (Total: 40 marks)****INSTRUCTION: Answer TWO (2) questions only.****Please use the answer booklet provided.****Question 4**

- (a) Safety of Life at Sea (SOLAS) contents have 12 chapters, explain at least **FIVE (5)** chapters from SOLAS that has been further elaborated and detailed out in becoming international codes.

(10 marks)

- (b) Describe at least **FIVE (5)** types of vessels which are given the exceptions from compliance to SOLAS 1974 with Protocol 1988 requirements, but to comply with their respective national legislation.

(10 marks)

**Question 5**

- (a) Explain **FIVE (5)** types of emergency or high risk situations that might happen on board and required urgent intervention from the officers and crews on board, in order to avoid the situation from becoming worse.

(10 marks)

- (b) Draw a diagram illustrating the **FOUR (4)** elements in the tetrahedron of fire, describe how the fire starts and propagates.

(10 marks)





**Question 6**

- (a) List out at least **FIVE (5)** examples of approval for PERMIT TO WORK that are required in order to comply with the safe working practices on board a ship.

(10 marks)

- (b) Explain about the location and the functions of these **THREE (3)** emergency equipment: (i) emergency generator, (ii) emergency fire pump and (iii) emergency air compressor.

(10 marks)

**END OF QUESTIONS**

