



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering and Technology

DEPARTMENT OF MECHANICAL AND AUTOMOTIVE ENGINEERING

DIPLOMA IN MARINE ENGINEERING (DMAE 2)

EMR 2312 MARINE INDUSTRIAL ORGANISATION

END OF SEMESTER EXAMINATIONS

YEAR 3 SEMESTER 2

SERIES: DECEMBER, 2013

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

1. You should have the following for this examination:
 - Answer Booklet
 - Non-programmable Scientific Calculator
2. This paper consists of **FIVE** Questions.
3. Answer **ANY THREE** Questions.
4. All Questions carry equal marks.
5. **This paper consists of THREE printed pages.**

Question ONE

- (a) Explain the procedures for carrying out emergency drills. **(6 marks)**
- (b) State the essential tasks in emergency drills. **(6 marks)**
- (c) Explain the main causes of conflict onboard a ship and state how these conflicts can be resolved. **(8 marks)**

Question TWO

- (a) Explain the following theories of motivation:
- (i) Herzberg's theory of hygiene
 - (ii) Maslow's theory of Hierarchy of need
- (8 marks)**
- (b) State the application of motivation theories onboard a ship. **(4 marks)**
- (c) State any **TWO** staff welfare and Benefit schemes available for employees and explain their significance to the employees. **(8 marks)**

Question THREE

- (a) Explain the meaning of material procurement and state its importance. **(8 marks)**
- (b) State the Essential requirements of a good control system. **(6 marks)**
- (c) (i) Explain the distinction between centralized and decentralized stores.
- (ii) State the functions of a store on board ship.
- (6 marks)**

Question FOUR

- (a) (i) Explain the meaning of Total Quality Management (TQM).
- (ii) State **THREE** advantages of Total Quality Management. **(5 marks)**
- (b) (i) Define the term "Just in Time" (JIT).
- (ii) State the advantage of Just in Time in Marine transport. **(5 marks)**
- (c) (i) Explain the importance of time management on board a ship.

(ii) List the aids to time management onboard ship.

(10 marks)

Question FIVE

(a) Explain the meaning of the term Job Analysis and state its importance.

(4 marks)

(b) Describe the process of recruitment of officers.

(10 marks)

(c) Explain how attitudes to work vary with the method of recruitment.

(6 marks)