



# TECHNICAL UNIVERSITY OF MOMBASA

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## FACULTY OF ENGINEERING AND TECHNOLOGY

### DEPARTMENT OF MECHANICAL & AUTOMOTIVE ENGINEERING

### UNIVERSITY EXAMINATION FOR:

### DIPLOMA IN MARINE ENGINEERING

### EMR2310: MARINE INDUSTRIAL ORGANISATION & MANAGEMENT

### END OF SEMESTER EXAMINATION

**SERIES:** APRIL 2016

**TIME:** 2 HOURS

**DATE:** Pick Date Apr 2016

#### **Instructions to Candidates**

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of Choose No questions. Attempt Choose instruction.

**Do not write on the question paper.**

Paper one

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#### **Question ONE**

- (a) (i) Explain the term Total Quality management  
(ii) State TWO limitations of Total Quality Management

[5 Marks]

- (b) Describe the following types of production processes

- (i) Jobbing production  
(ii) Batch production  
(iii) Continuous Production

[9Marks]

- (c) Differentiate between the terms Quality Control and Process control

[6 Marks]

#### **Question TWO**

(a) Explain the term 'Management economics'

[2Marks]

(b) Explain how each of the factors mentioned in (a)(i) above affect the production process

[8Marks]

(c) (i) State the functions of Stores department.

(ii) List THREE important reasons of stock control

[8Marks]

### **Question THREE**

(a) (i) State the importance of emergency drills aboard a ship.

(ii) List TWO types of drill that may be carried out aboard a ship.

(iii) State any TWO sources of hazards on a ship.

[9Marks]

(b) Outline any SIX checks to be carried out on a material handling motorized used on lifting machines aboard a ship.

[6Marks]

(c) Explain the importance of accident investigation and reporting on safety.

[5Marks]

### **Question FOUR**

(a) Explain HOW emerging trends have influenced the shipping industry.

[10Marks]

(b) (i) State the challenges posed to management by changing trends.

(ii) Explain the ways of coping with the challenges posed by emerging trends.

[10Marks]

### **Question FIVE**

(a) Outline the function of Shipboard Engineer management.

[10Marks]

(b) (i) Explain the meaning of Human and public relations.

(ii) State TWO ways of improving Human and public relations aboard ship

[4Marks]

(c) (i) Explain the importance of meetings aboard ship.

(ii) State THREE types of meetings conducted aboard a ship.

[6Marks]