

MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

UNIVERSITY ORDINARY EXAMINATION

2018/2019 ACADEMIC YEAR

THIRD YEAR **FIRST** SEMESTER EXAMINATION FOR DIPLOMA IN ELECTRICAL AND ELECTRONICS

EEE 059 - I.O.M

DURATION: 2 HOURS

DATE: 18/4/2019

TIME: 2-4 P.M.

Instructions to candidates:

- 1. Answer question One and Any Other Two questions.
- 2. Mobile phones are not allowed in the examination room.
- 3. You are not allowed to write on this examination question paper.

SECTION A – ANSWER ALL QUESTIONS IN THIS SECTION

QUESTION ONE (30 MARKS)

iii.

Control

(a) Explain the following terms:	
(i) Trade off	
(ii) Opportunity cost	(4marks)
(b) Differentiate between primary and secondary production.	(4marks)
(c) Explain the following terms;	
(i) Division of labour	
(ii) Specialisation	(4marks)
(d) State any four advantages of preventative maintenance.	
(e) State any four sources of law.	(4marks)
(f) Describe the following types of contracts:	
(i) Express	
(ii) Implied	
(iii) Executed	(6marks)
(g) State any two types of torts.	(2marks)
(h) Explain the term activity as used in critical path analysis.	(2marks)
SECTION B – ANSWER ANY TWO QUESTIONS IN THIS SECTIO)N
QUESTION TWO (20 MARKS)	
(a) Define the term economics.	(2marks)
(b) Explain the following terms as applied in economics:	
i. Efficiency	
ii. Equity	(4marks)
(c) Define the term production	(2marks)
(d) Describe four factors of production and for each state the income earned.	
	(12marks)
QUESTION THREE (20 MARKS)	
(a) State any three losses that may occur due to poor maintenance.	(3marks)
(b) Explain what happens during "construction site" meetings.	(3marks)
(c) Briefly explain the following functions of management:	
i. Planning ii. Organizing	

(6marks)

- (d) Explain the following terms as used in law of contracts:
 - i. Fraud
 - ii. Duress
 - iii. Undue influence
 - iv. Breach of contract (8marks)

QUESTION FOUR (20 MARKS)

- (a) Explain the following elements that must be present in a tort: (4marks)
 - i. Tort feasor
 - ii. Plaintiff
- (b) Outline the steps in the process of tendering.

(7marks)

(c) Table I

ACTIVITY	PRECEEDING ACTIVITY	DURATION (WEEKS)
A	О	8
В	A	10
С	A	15
D	A	7
Е	В	8
F	В	5
G	Е	3
Н	Е	8
I	DEG	6

From the table:

- i. Draw the network
- ii. Determine the critical path

(9marks)