



MURANG'A UNIVERSITY COLLEGE
(A Constituent College of Jomo Kenyatta University of Agriculture and Technology)

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

DIPLOMA IN ELECTRONIC COMMUNICATION ENGINEERING

UNIVERSITY ORDINARY EXAMINATIONS

2015/2016

**THIRD YEAR SECOND SEMESTER EXAMINATION FOR THE DIPLOMA IN
ELECTRONIC COMMUNICATION ENGINEERING**

UNIT CODE: SEE 1346

UNIT TITLE: TELECOMMUNICATION POLICY AND REGULATIONS

TIME: 2 HOURS

DATE: 18th APRIL 2016

Instructions:

This paper contains **FOUR (4)** questions.

Answer **Question 1** and **Any Other Two** questions.

You should have the following for this examination;

- Answer booklet
- Scientific calculator

NB: Mobile phones are not allowed in the examination room

Section A (compulsory)

QUESTION ONE

- (a) Define the following terms:
- i. Policy
 - ii. Regulation
 - iii. E-commerce
- (6 marks)**
- (b) Explain any three negative impacts of e-commerce in Kenya. **(6 marks)**
- (c) Outline five forms of e-commerce in Kenya. **(5 marks)**
- (d) List any five roles and responsibilities of Communications Authority of Kenya (CAK). **(5 marks)**
- (e) Discuss any four roles and responsibilities of International Radio Consultative Committee (IRCC). **(8 marks)**

Section B (Any Other Two)

QUESTION TWO

- a) Discuss the roles and responsibilities of International Telecommunication Union (ITU) under the following subheadings:
- i. Standardization sector
 - ii. Radio communication sector
 - iii. Development sector
- (20 marks)**

QUESTION THREE

- a) Discuss any five positive impacts of e-commerce in Kenya. **(10 marks)**
- b) Outline any five regulations contained in the Kenya Radio Broadcasting Act of 2009. **(10 marks)**

QUESTION FOUR

- a) Examine the Kenya Information and Communications Regulations of 2015 and their impact on the Kenyan telecommunication sector. **(20 marks)**