



**THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE**

**(A Constituent College of JKUAT)**

(A Centre of Excellence)

# **Faculty of Engineering & Technology**

**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY**

**CERTIFICATE IN INFORMATION COMMUNICATION TECHNOLOGY &  
MAINTENANCE (CITM/SEP W12/S-EV)**

**ECT 1103: INTRODUCTION TO ICT**

**END OF SEMESTER EXAMINATION**

**SERIES: DECEMBER 2012**

**TIME: 2 HOURS**

**Instructions to Candidates:**

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer question **ONE (COMPULSORY)** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

**Question One (Compulsory)**

- a) Explain the following terms:
- (i) Computer
  - (ii) Server
  - (iii) Work station
  - (iv) Information appliances
  - (v) Embedded computers
- (10 marks)
- b) State pointing and image/video input devices. (5 marks)
- c) What is an output device and give **THREE** examples. (5 marks)
- d) Explain the various components of the motherboard. (10 marks)

**Question Two**

- a) Differentiate between the major types of software. (2 marks)
- b) Describe the functions of the operating system. (4 marks)
- c) Identify **THREE** methods for developing application software. (3 marks)
- d) Describe the major types of application software. (6 marks)

**Question Three**

- a) Define computer security. (2 marks)
- b) Define a threat in relation to computing. (2 marks)
- c) What is a virus? (1 mark)
- d) Explain the various types of threats to computer security. (10 marks)

**Question Four**

- a) Identify the benefits of ergonomics. (5 marks)
- b) Describe the hazard control measures for office based environments. (10 marks)

**Question Five**

- a) Distinguish the following:
- (i) Information and Data (4 marks)
  - (ii) Information Communication Technology and Information Technology. (4 marks)
  - (iii) Random Access Memory and Read Only Memory (4 marks)
- b) State the roles of a system analyst. (3 marks)