



**THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE**

**(A Constituent College of JKUAT)**

(A Centre of Excellence)

# **Faculty of Engineering & Technology**

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

**DIPLOMA IN BUILDING & CIVIL ENGINEERING**

**DIPLOMA IN ARCHITECTURE**

EIT 2101: INTRODUCTION TO COMPUTER SCIENCE

**SPECIAL/SUPPLEMENTARY EXAMINATION**

**SERIES: OCTOBER 2012**

**TIME: 2 HOURS**

**Instructions to Candidates:**

You should have the following for this examination

- *Answer Booklet*

This paper consists of **FIVE** questions. Answer any **THREE** questions  
Maximum marks for each part of a question are as shown  
This paper consists of **THREE** printed pages

**Question One (20 Marks)**

- a) What is a computer? **(1 marks)**
- b) Describe the functions of a computer. **(3 marks)**
- c) What is computer network? **(2 marks)**
- d) List any **THREE** antivirus software. **(3 marks)**
- e) Give any **THREE** monitor display technologies in use today. **(3 marks)**
- f) Define each of the following terms.
  - (i) Bit
  - (ii) Resources
  - (iii) Spyware
  - (iv) Byte **(4 marks)**
- g) Distinguish between a warm boot and cold boot. **(4 marks)**

**Question Two (20 Marks)**

Discuss the classification of computer under the following headings.

- i) Functions
- ii) Data type manipulation
- iii) Performance, size and price. **(20 marks)**

**Question Three (20 Marks)**

- a) Distinguish between windows and unix family operating systems. **(10 marks)**
- b) With the help of a diagram, describe the software family tree. **(10 marks)**

**Question Four (20 marks)**

Describe computer preventive maintenance under the following heading.

- i) Disk defragmentation
- ii) Antivirus installation
- iii) Electromagnetic/radiofrequency interference
- iv) Power line noise.

**Question Five (20 marks)**

- a) Discuss distinguishing features of each of the following application packages.
  - i) AutoCAD
  - ii) Spreadsheet
  - iii) Word processing
  - iv) PowerPoint **(8 marks)**
- b) Describe each of the following types of computers.
  - i) Laptop
  - ii) Palmtop

- iii) Supercomputers
- iv) Mainframe

**(12 marks)**