



# THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

*Faculty of Engineering and Technology*

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

**DIPLOMA IN MASS COMMUNICATION 1 (PRINT/RADIO)  
DMP/RI**

EIT 2130: INTRODUCTION TO COMPUTER TECHNOLOGY

**END OF SEMESTER EXAMINATIONS**

**SERIES: AUGUST/SEPTEMBER 2011**

**TIME: 2 HOURS**

**Instructions to Candidates:**

This paper consist of **TWO** sections **A** and **B**

Answer questions **ONE (COMPULSORY)** and any other **TWO** questions from the list of questions below

This paper consists of **THREE** printed pages

**SECTION A (30 MARKS) – Answer all Questions in this section**

### Question 1 (Compulsory)

- a) What is a computer (1 mark)
- b) Describe the functions of a computer (4 marks)
- c) List any **FOUR** input devices (4 marks)
- d) Distinguish between the following (4 marks)
- (i) Hardware and software
  - (ii) ROM and RAM (4 marks)
- e) List any **THREE** benefits of networking computers (3 marks)
- f) Give any **THREE** subunits of a CPU (3 marks)
- g) Name **THREE** ways computers are classified as (3 marks)
- h) Define the following:
- (i) Bit
  - (ii) Byte
  - (iii) Spy ware
- i) Name the **TWO** most important toolbars used when working with ms word (1 marks)
- j) Differentiate between the following gas used in Ms Word application
- (i) Save and save as
  - (ii) Close and exit (4 marks)

### SECTION B – Answer any TWO questions

#### Question 2

- a) Describe any **FOUR** functions of an operating system (8 marks)
- b) With the help of a diagram, describe the software family tree (12 marks)

#### Question 3

Describe the computer preventive maintenance under the following headings

- (i) Heat and dust buildup
- (ii) Corrosion
- (iii) EMI/RFI interferences
- (iv) Power line noise (20 marks)

#### Question 4

Discuss the features of each of the following types of computers

- (i) Super computers
- (ii) Mainframe computers

- (iii) Mini computers
  - (iv) Micro computers
- (20 marks)

**Question 5**

- a) What is an Internet (2 marks)
- b) Briefly describe the Microsoft Internet Explorer browser dialogue box (10 marks)
- c) Describe briefly distinguishing features of each of the following search engines (8 marks)
  - (i) [www.google.com](http://www.google.com)
  - (ii) [www.wikipedia.com](http://www.wikipedia.com)
  - (iii) [www.howstuffworks.com](http://www.howstuffworks.com)
  - (iv) [www.yahoo.com](http://www.yahoo.com)