THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)
(A Centre of Excellence)
Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN SCIENCE LABORATORY TECHNOLOGY (DSLT 1)

EIT 2102: COMPUTER APPLICATIONS

SPECIAL/SUPPLEMENTARY EXAMINATION
SERIES: OCTOBER 2012
TIME: 2 HOURS

<u>**Instructions to Candidates:**</u>
You should have the following for this examination
- *Answer Booklet*

This paper consist of **FIVE** questions

Answer question **ONE** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages
SECTION A (COMPULSORY)

Question One (30 marks)

a) Discuss the following input devices. In each highlight the specific functions of each involved buttons:
    i) Mouse
    ii) Keyboard   **(6 marks)**

b) Explain the booting process of the computer.   **(4 marks)**
c) State and explain the **FOUR** categories of system software   **(8 marks)**
d) State the different file extensions.   **(4 marks)**
e) Explain the different ways of performing the following in windows operating system.
    i) Changing the screensaver
    ii) Customizing the desktop icons
    iii) Changing the appearance of fonts on the screen.   **(8 marks)**

SECTION B (Answer Any Two Questions)

Question Two (15 marks)

a) Explain the functions of an operating systems.   **(6 marks)**

b) Discuss the various parts of a dialog box.   **(9 marks)**

Question Three ((15 marks)

a) Describe the procedures for performing the following in Ms Word.
    i) Putting bullets and numbers
    ii) Inserting headers and footers.   **(8 marks)**

b) Describe the process of performing mail merging on a document.   **(7 marks)**

Question Four (15 marks)

a) Discuss the various features of Ms. Excel. Give examples where necessary.   **(12 marks)**

b) Discuss the process of hiding a sheet in Ms. Excel.   **(3 marks)**

Question Five (15 marks)

a) Discuss the components of the computer system. Use a diagram and give explanation of the various components.   **(10 marks)**

b) Discuss the following memories used by the computers.
    i) EPROM
    ii) RAM
    iii) Bubble Memory
    iv) Cache Memory
    v) ROM   **(5 marks)**