



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

Instructions to Candidates:

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)**