



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

PRE-CERTIFICATE IN INFORMATION TECHNOLOGY

(PCIT/M12/FT)

EIT 1001: FUNDAMENTALS OF COMPUTER & OPERATING SYSTEM

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 (20 marks)

- a) Define a computer **(1 marks)**
- b) Define a computer software and explain the **TWO** classification of software. **(6 marks)**
- c) Computer memory is classified into two describe the two classifications. **(4 marks)**
- d) Highlight the uses of output units. **(3 marks)**
- e) Write short notes on the following **(6 marks)**
 - i) Graphic tablets
 - ii) Plotter
 - iii) Terminal

SECTION B (Answer Any Two Questions)

Question Two (20 marks)

- a) You are an IT Specialist in a busy IT Consultant Company, explain the factors that you will advice the user to pay attention to before buying a particular hardware. **(10 marks)**
- b) Mouse is a pointing device that is widely used, explain the various uses of the mouse as an input device. **(3 marks)**
- c) Outline the functions of an operating system. **(5 marks)**
- d) How can you open the dialog box which lets you change the date and time of the computer. **(2 marks)**

Question Three (20 marks)

- a) Write short notes on the following input devices. **(10 marks)**
 - i) Optical Man Reader (OMR)
 - ii) Barcode Reader
 - iii) Scanners
 - iv) Digital Cameras
 - v) Printers
- b) Explain the **TWO** broad types of operating system. **(10 marks)**

Question Four (20 marks)

- a) What are the main characteristics of storage media. **(12 marks)**
- b) Secondary storage devices are said to supplement primary storage. Highlight other **THREE** uses of secondary storage. **(3 marks)**
- c) Write short notes on the following storage media. **(5 marks)**
 - i) Floppy disk
 - ii) Hard disk

Question Five (20 marks)

- a) With the aid of Aid of a diagram, explain the functions of computer system touching on input, processing, storage and output giving example in each case. **(12 marks)**
- b) Write down the procedure for changing the screen saver. **(4 marks)**

c) Write down the procedure followed to cut and paste a document from one drive to another.
(4 marks)