



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION
TECHNOLOGY**

**PRE-CERTIFICATE IN INFORMATION TECHNOLOGY (PRECIT 11M)
YR I SEM I**

EIT 1001: FUNDAMENTALS OF COMPUTERS & OPERATING SYSTEM

END OF SEMESTER EXAMINATIONS

SERIES: AUGUST/SEPTEMBER 2011'

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer booklet*

This paper consists of **TWO** sections **A & B**

Answer question **ONE (COMPULSORY)** in section **A** and any other **TWO** questions in section **B**

This paper consists of **THREE** printed pages

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

Question 1 (Compulsory)

- a) State the functions of the following computer components (6 marks)
- (i) Main memory
 - (ii) Control Unit (CU)
 - (iii) Arithmetic and Logic Unit (ALU)
- b) “The Processor is the heart of the computer system”. Justify this statement (4 marks)
- c) Describe the procedure of restoring temporarily deleted files/folders (3 marks)
- d) Differentiate the following terms (4 marks)
- i) Folder and file
 - ii) Cold booting and warm booting
- e) Outline the functions of the each of the following (3 marks)
- (i) Minimize button
 - (ii) Maximum button
 - (iii) Close button
- f) What do you understand by the term “Operating System (OS)” How is it different from Application programs? State any FOUR types of OS. (10 marks)

SECTION B (Answer any TWO questions) – 40 MARKS

Question 2

Describe the following computer input/output devices stating their basic types/categories

- i) Monitor
 - ii) Printer
 - iii) CD/DVD
 - iv) Keyboard
 - v) Scanner
- (20 marks)

Question 3

Describe the following computer storage devices stating their importance in the computer system

- i) RAM
 - ii) Flash memory
 - iii) Magnetic tapes
 - iv) Magnetic disks
- (20 marks)

Question 4

- a) Define the term 'desktop' (2 marks)
- b) State **FOUR** parts of a computer desktop installed with new window XP (4 marks)
- c) Describe the function of each of the parts stated in Q4 (b) above (4 marks)
- d) Briefly explain any **FIVE** types of personal computers (10 marks)

Question 5

- a) Explain any **FIVE** functions of the mouse (10 marks)
- b) Explain how you can configure the mouse to suit a left-handed person. (4 marks)
- c) Explain the functions of the **THREE** computer Bus (6 marks)