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)