TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN INFORMATION TECHNOLOGY COMMUNICATION & MAINTENANCE (CICM 14S)

EIT 1102: FUNDAMENTALS OF COMPUTERS & OPERATING SYSTEMS

SPECIAL/SUPPLEMENTARY EXAMINATION
SERIES: FEBRUARY 2015
TIME: 2 HOURS

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

This paper consists of **FIVE** questions. Attempt question **ONE (Compulsory)** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **THREE** printed pages

Question One (Compulsory)

a) Define the following terms: **(10 marks)**
    (i) Windows
    (ii) Desktop
    (iii) Safe Mode
    (iv) Dialogue box
    (v) GUI

b) Explain the use of the following parts of a computer. **(10 marks)**
    (i) Camera
    (ii) Scanner
    (iii) Disk drive
    (iv) Joy stick
    (v) Mouse

c) Give the procedures for performing the following tasks. **(8 marks)**
    (i) Rename a file named "StaffNumber" to "EmployeeNumber"
    (i) Delete a folder
    (ii) Create a file

d) What are the advantages of icons in computers. **(2 marks)**

Question Two

a) A program is a software that helps a user to perform specific tasks. Explain the following functions associated with computer programs. **(8 marks)**
    (i) Install
    (ii) Update
    (iii) Uninstall
    (iv) Register License

b) What is a dialogue box and state its importance to a computer user. **(6 marks)**

c) With the help of a diagram, explain the computer operating system and how it is connected to other parts of the computer system. **(6 marks)**

Question Three

Discuss the various types of computer operating systems citing examples of each. **(20 marks)**

Question Four

a) What is POST, during booting process? **(2 marks)**

b) What is the functionality of the following keys on the keyboard? **(10 marks)**
    (i) Shift key
    (ii) Caps lock
    (iii) Space bar
    (iv) Delete

(v) Nums lock

c) Which are the rules to follow while naming folders and files in windows operating system.
(8 marks)

Question Five

a) Differentiate between graphical user interface from the command line interface. **(10 marks)**

b) Discuss the importance of computers in your daily tasks. **(10 marks)**