THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY
DICT 10A

EIT 2201: INSTALLATION & CUSTOMIZATION

SPECIAL/SUPPLEMENTARY EXAMINATION
SERIES: OCTOBER 2011
TIME: 2 HOURS

<u>**Instructions to Candidates:**</u>
You should have the following for this examination
- *Answer booklet*

Answer question **ONE (COMPULSORY)** in section A and any other **TWO** questions from section B
Maximum marks for each part of a question are clearly shown.
This paper consists of **THREE** printed pages

SECTION A – Compulsory

Question 1 (30 marks)

a) Explain the following concepts   [9marks]
  i.   Installation

  ii.   System software

  iii.   Utility program

  iv.   File encryption

  v.   Device driver

b) Differentiate between the following types of systems boot concepts   [4marks]

  i.   Cold boot and warm boot

  ii.   Boot partition and System partition

c) List and explain any four windows pre- installation check list   [8 marks]

d) System security is dependent on choosing good passwords, State any five criteria one should use

  that constitute a good password.   [5marks]

SECTION B (ANSWER ANY TWO QUESTIONS)

Question 2   (20 marks)

a) List and explain any four types of systems utilities   [8marks]

b) i) Define disk partitioning.   [2marks]

   ii) List and explain any four advantages associated with disk partitioning   [4marks]

   iii) List four disadvantages of disk partitioning   [4marks]

c) List any two advantages of using USB cable connectors   [2marks]

Question 3   (20 marks)

a) List and explain the three types of windows installation methods   [6 marks]

b) List and explain any three types of disk partitions   [6marks]

  i.   Primary

  ii.   extended

  iii.   boot/ system partition

c) What is disk cloning
        [2marks]

d) Define a file system [2marks]

e) Explain any four additional NTFS Features not found in the earlier file systems. [4marks]

Question 4   (20 marks)

a) Define an account policy [2marks]

b) Explain the three major functions performed by an operating system account policy [6marks]

c) Explain the following hardware diagnostic tools in terms of **its type**, **what it does** and its **Accessibility**

   and Availability
[6marks]

      i.   LEDs
     ii.   POST

d) Explain how you can diagnose a computer that is completely dead. [6marks]

Question 5   (20 marks)

a) Define and operating system [2marks]
b) List any four functions of an operating system [4 marks]
c) After installation and rebooting the computer displays a disk error or non-system disk message? What could

   be the probable course? [2marks]
d) What is a hardware conflict [2marks]
e) An error that occurs when a hardware device in the computer conflicts with other hardware devices
f) Explain the following concepts [6marks]

   i. IRQ

   ii. I/P port

   iii. DMA

g) List and explain any four types of systems maintenance [4marks]