THE TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY
(DICT/M12/S-FT/S-EV)

ECT 2106: INSTALLATION & CUSTOMIZATION

SPECIAL/SUPPLEMENTARY EXAMINATION
SERIES: FEBRUARY 2013
TIME: 2 HOURS

Answer 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) What is the purpose of an Operating System? **(2 marks)**

b) What are the notable differences between File Allocation? Table-32-bit (FAT 32) AND New Technology File System (NTFS). **(4 marks)**

c) List **FOUR** reasons why it is advisable to have a separate and limited user account from the Administrator Account. **(4 marks)**

d) Explain the differences between a cold boot and a warm boot. **(4 marks)**

e) List any **FOUR** features of a Desktop Operating System. **(4 marks)**

f) Differentiate between a clean installation and upgrade. **(2 marks)**

Question Two

a) Explain the following terms. **(10 marks)**
   (i) Application Programming Interface (API)
   (ii) Active Directory (AD)
   (iii) "Read Me" File
   (iv) Configuration
   (v) Device Manager

b) Differentiate between attended and unattended installation on a computer. **(4 marks)**

c) Write short notes on the following User Interface types and give examples of each.
   (i) Command Line Interface (CLI) **(3 marks)**
   (ii) Graphical User Interface (GUI) **(3 marks)**

Question Three

a) What is the difference between formatting and partitioning hand disk. **(2 marks)**

b) Write short notes on the following functions. **(14 marks)**
   (i) Product key
   (ii) Network settings
   (iii) Domain or workgroup
   (iv) Computer name
   (v) Locale settings
   (vi) Date and time settings
   (vii) Administrator password.

c) Explain how to enable your computer to receive updates automatically. **(4 marks)**

Question Four

a) Explain the following terms **(10 marks)**
   (i) Drive mapping
   (ii) Pluster
   (iii) Formatting

(iv)   Logical drive

(v)   Extended partition

b) Explain **FIVE** factors that would slow down a computer and five possible ways to improve its performance. **(10 marks)**

Question Five

a) Mwamuye and Hassan wish to purchase a new computer. Describe any **FIVE** major factors they should consider when buying the computer. **(10 marks)**

b) Explain any **FIVE** factors that are paramount before installing or upgrading any operating system on a computer. **(10 marks)**