



THE TECHNICAL UNIVERISTY OF MOMBASA
**Faculty of Engineering &
Technology**

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY
DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY
(DICT J13)

ECS 2109: COMPUTER INSTALLATION & CUSTOMIZATION

END OF SEMESTER EXAMINATION
SERIES: AUGUST 2013
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** 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) Explain the Operating System concept giving examples.
- b) Describe the term compatibility mode
- c) What is Network Operating System, explain its characteristics
- d) A desktop operating system has a number of characteristics, explain them and give examples.

Question Two

- a) What is software customization
- b) Briefly explain the three levels of customization
- c) Briefly write procedure of operating system installation of windows 7 professional
- d) Explain briefly **FIVE** key factors considered before operating system installation

Question Three

- a) Software is general term referring to a program running in a computer. Explain the following types of software giving at least two functions and an example.
 - (i) Application software
 - (ii) System software
 - (iii) Operating system
 - (iv) Utility software
 - (v) Article drivers
- b) Explain the procedure of hardware installation and customization
- c) Explain the procedure of removing/adding how application software to a computers.
- d) The operating system enables the users to interact with application and hardware list **THREE** methods of interaction.

Question Four

- a) The performance of my computer has slowed. Explain what to do to improve this condition.
- b) When I start my computer, I get error message. "System booting cannot be located", give solution
- c) Explain using diagram and illustrate how the CPU process instruction
- d) Explain the POST process and the types of Booting.

Question Five

- a) Explain the following booting modes:
- (i) Software
 - (ii) Soft mode with network support
 - (iii) Soft mode with command prompt
 - (iv) Least know good configuration
 - (v) Dual booting
- b) Explain the **FIVE** face core function of the operating system.
- c) (i) Define Hard disk partitioning
- (ii) Differentiate between the following types of partitions
- Primary partition
 - Extended partition
 - Hidden partition
 - Active partition
 - Preserve partition