



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

EIT 2107/ECT 2106: INSTALLATION & CUSTOMIZATION

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: OCTOBER 2012

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer 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

SECTION A (COMPULSORY)

Question One (20 marks)

- a) What is an operating system? What are its objectives? Give **THREE** examples of an OS? **(10 marks)**
- b) Differentiate between application softwares and utilities. Give **TWO** examples in each. **(8 marks)**
- c) Differentiate between the following port:
i) Serial port
ii) Parallel port **(2 marks)**

SECTION B (Answer Any Two Questions)

Question Two (20 marks)

- a) During application software installation, there are three methods one can use to install software. Give a short description of the various procedures. **(6 marks)**
- b) Define a network. **(2 marks)**
- c) What is a computer system? List the main components of a computer system. **(6 marks)**
- d) Discuss **THREE** types of installation that can be carried out when installing an operating system. **(6 marks)**

Question Three (20 marks)

Compare the windows file systems against the following features. **(20 marks)**

- a) Encrypted file system
- b) Compression
- c) Disk quotas
- d) Advanced security
- e) Large volume sizes

Question Four (20 marks)

- a) Discuss the various types of connectors on a computer **(18 marks)**
- b) What is the difference between operating system and application software? **(2 marks)**
- c) Give **TWO** differences between Ms Windows and Ms Dos **(4 marks)**
- d) Define the following terms:
i) Software
ii) Microsoft Office **(2 marks)**
- e) Describe **SIX** functions of an operating system software. **(6 marks)**
- f) Describe **FOUR** methods of starting programs in Ms Windows. **(4 marks)**

g) List **FOUR** advantages of application packages.

(4 marks)

Question Five (20 marks)

a) Partitioning is the process of electronically subdividing the physical hard disk into cylinders called partition. Why do we partition hard disks? **(10 marks)**

b) Discuss the various system maintenance routines that can be done on a PC. **(10 marks)**