



# 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 –  
DICT10M  
(YR 1SEM 1)

**EIT 2201: INSTALLATION AND CUSTOMIZATION**

**END OF SEMESTER EXAMINATIONS**

**SERIES: AUGUST/SEPTEMBER 2011**

**TIME: 2 HOURS**

#### **Instructions to Candidates:**

You should have the following for this examination

- *Answer booklet*

Answer question **ONE (COMPULSORY)** and any other **TWO** questions

This paper consists of **TWO** printed pages

### Question 1 (Compulsory)

- a) Discuss the operating system as a:
  - i) Resource Allocator
  - ii) Control Program(8 marks)
- b) What are the goals of an Operating System (5 marks)
- c) Windows XP manages the storage and retrieval of files on a disk drive with the use of file systems. State and explain **THREE** filing systems in Window XP. (6 marks)
- d) Differentiate between partitioning and formatting (5 marks)
- e) Define the term blue screen of death as used in windows (6 marks)

### Question 2

- a) List and explain the categories of software (5 marks)
- b) Differentiate between the following types of partitions (15 marks)
  - i) Primary partition
  - ii) Extended partition
  - iii) Hidden partition
  - iv) Swap partition
  - v) Active partition

### Question 3

- a) Discuss the various printer technologies (12 marks)
- b) What is a connector? (2 marks)
- c) Differentiate between a serial port and a parallel port. Giving examples of each (6 marks)

### Question 4

- Compare the Windows file systems against the following features: (20 marks)
- i) Encrypted file system
  - ii) Compression
  - iii) Disk quotas
  - iv) Advanced security
  - v) Large volume sizes

### Question 5

- a) Discuss the various types of connectors on a computer (18 marks)
- b) What is the difference between operating system and applications software? (2 marks)