



# THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

*Faculty of Engineering & Technology*

DEPARTMENT COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN COMPUTER MAINTENANCE & NETWORK TECHNOLOGY

**ECT 1111: INSTALLATION & CUSTOMIZATION**

SPECIAL/SUPPLEMENTARY EXAMINATION

**SERIES: FEBRUARY/MARCH 2012**

**TIME: 2 HOURS**

## **Instructions to Candidates:**

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions in **TWO** sections **A & B**

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

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

## **SECTION A (COMPULSORY)**

### **Question 1**

- a) Explain any **four** functions of operating systems. **[8 marks]**
- b) Explain any **three** differences between application software and systems software. **[6 marks]**
- c) Explain any **five** factors that need to be considered before installing any operating system in a new computer. **[10 marks]**
- d) Explain any **three** features of Network Operating Systems. **[6 marks]**

## **SECTION B (Answer any two questions)**

### **Question 2**

- a) Hawaah was interested in buying a new computer. Describe any **ten** major components she is likely to find in the system unit. **[20 marks]**

### **Question 3**

- a) Explain the following terms:
- i) Windows Registry.
  - ii) Device Manager.
  - iii) Control Panel.
  - iv) Device drivers. **[8 marks]**
- b) (i) Explain the term “Utility Programs”. **[2 marks]**
- (ii) Explain the term “Computer Virus”. **[2 marks]**
- (iii) Explain any **four** signs of viral attack to a computer. **[8 marks]**

### **Question 4**

- a) Describe any **four** interrupts. **[12 marks]**
- b) Explain the functions of the following:
- i) Disk formatting.
  - ii) Disk partitioning.
  - iii) Disk defragmentation.
  - iv) Screen saver. **[8 marks]**

### **Question 5**

- a) State the Four folders found in Windows XP Registry and their contents **[8 marks]**
- b) Explain the following terms:
- i. File Allocation Table, (FAT32).
  - ii. New Technology File System (NTFS).
  - iii. Setup XP.
  - iv. Repair XP.
  - v. Active partition.
  - vi. Primary partition. **[12 marks]**