



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]**