



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION
TECHNOLOGY**

DIPLOMA IN INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

DIT 11M, DICT 11M

EIT 2103 : COMPUTER WORKSHOP PRACTICE

END OF SEMESTER EXAMINATIONS

SERIES: AUGUST/SEPTEMBER 2011

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer booklet*

This paper consists of **TWO** sections **A & B**

Answer question **ONE (COMPULSORY)** in section **A** and any other **TWO** questions in section **B**

This paper consists of **THREE** printed pages

SECTION A –Answer all questions in this section (30 MARKS)

Question 1 (Compulsory)

- a) Define the following terms as used in computing
- i. Computer Laboratory
 - ii. Safety
 - iii. Trouble shooting **(6marks)**
- b) The key personnel in the computer Laboratory is the Technician in details describe three desired qualities of a technician and six functions performed by the technician **(10marks)**
- c) After completion of you study you secure a job as a technician in one of the local university in Mombasa. One of the key things which you are required to submit to the management is the Computer lab policy. In detail design a computer lab policy document containing the rules and regulation for all users. **(10marks)**
- d) List **SIX** items which are found in a computer workshop **(6marks)**

SECTION B (Answer any TWO questions from this section) – 40 MARKS

Question 2

- a) Maintenance tool kit is one of the most important equipment in the computer lab. Explain five equipment and their functions which are contained in the tool kit **(10marks)**
- b) Describe how you can take safety measures in computer lab when
- (i) Opening a computer.
 - (ii) A computer lab is on fire
 - (iii) Natural calamities occur **(6marks)**
- c) Ergonomics is on of the most key thing to put in consideration when designing and purchasing the lab furniture .describe how you can ensure that you have a standard labs with good ergonomics **(4marks)**

Question 3

- a) What are the impacts of computers to our environment **(10marks)**
- b) Explain **THREE** ways of disposing computer equipment **(6marks)**
- c) List **FOUR** factors to put in consideration when design a computer workshop **(4marks)**

Question 4

- a) Define the term threat **(4marks)**
- b) Discuss the common threat to compute which can occur in computer lab and the counter measure you can use to curb them

(16marks)

Question 5

- a) What are the functions of UPS **(4marks)**
- b) What are the functions of a computer lab in an organization **(3marks)**
- c) How can you troubleshoot
 - (i) A printer which is not printing
 - (ii) A monitor which is not displaying **(4marks)**
- d) What do you require to connect to the internet **(6marks)**
- e) What is a viruses? Give **ONE** source and how you can prevent viruses in a computer lab

(3marks)