



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
(DICT/M12/EV)**

ECT 2101: COMPUTER WORKSHOP PRACTICE

END OF SEMESTER EXAMINATION

SERIES: AUGUST 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 One (30 marks)

- a) Define a computer lab. **(2 marks)**
- b) Describe **FIVE** power fluctuation types. **(10 marks)**
- c) State the importance of ergonomics in computing field. **(7 marks)**
- d) Prior to disposal of a computer and its other components, it is necessary to put into consideration the safe disposal of each of the components separately. Discuss this in regard to the disposal of batteries, monitors and developers. **(9 marks)**
- e) State **TWO** INPUT and **TWO** OUTPUT devices. **(2 marks)**

SECTION B (Answer Any Two Questions)

Question Two (20 marks)

- a) Discuss the computer equipment disposal methods. **(10 marks)**
- b) To ensure security to computer system, control measures need be in place. Outline the **TWO** main measures and give at least **TWO** examples on how to effect. **(6 marks)**
- c) State **FOUR** factors to put into consideration when setting up a computer workstation based ergonomics. **(4 marks)**

Question Three (20 marks)

- a) Describe the following error messages: **(12 marks)**
 - i) No system disk
 - ii) Out of memory
 - iii) No sound can be heard from PC
- b) State and explain **FOUR** types of computer virus based on how they attack. **(8 marks)**

Question Four (20 marks)

- a) As a technician in a firm, you are called upon to check on why the Director cannot be able to access the internet. **(12 marks)**
- b) Data security is the means of ensuring that data is kept safe from corruption and that access to it is suitably controlled. Explain the **FOUR** main threats. **(8 marks)**

Question Five (20 marks)

- a) A user in a company has a problem with their computer. As the technician you can realize that the machine is not responding. Stat the steps you will take in troubleshooting the computer. **(16 marks)**
- b) Differentiate between warm boot and cold boot. **(4 marks)**