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 11M)

ECT 2101: COMPUTER WORKSHOP

SPECIAL/SUPPLEMENTARY EXAMINATION
SERIES: OCTOBER 2012
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination
-   *Answer Booklet*
This paper consist of **FIVE** questions

Answer question **ONE** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **THREE** printed pages
SECTION A (COMPULSORY)

Question One (20 marks)

a) Define the following term:
    i) Troubleshooting
    ii) Threat
    iii) Computer security
    iv) Ergonomics   **(8 marks)**

b) In details explain the safety measure.
    i) When opening computer casing
    ii) When opening a printer
    iii) Electrical safety.   **(6 marks)**

c) In details, explain the major basic components of a basic PC.   **(6 marks)**
d) Explain **TWO** ways of how a computer report it has some problems.   **(4 marks)**
e) How can you control viruses in a computer workshop?   **(6 marks)**

SECTION B (Answer Any Two Questions)

Question Two (20 marks)

a) What factors do you put in consideration when developing a computer lab rules and regulation?
                            (8 marks)
b) List and explain **THREE** types of fire extinguishers.   **(6 marks)**

c) Discuss the techniques you would use to ensure there is care and safe use of equipment in computer lab.
           (6 marks)

Question Three (20 marks)

a) Explain how you can troubleshoot a computer that:
    i) The picture does not appear
    ii) The screen is not synchronized
    iii) The screen is shaking
    iv) The screen displays a Blue Screen when you start it.   **(8 marks)**

b) Discuss **FOUR** equipment found in a maintenance tool kit and briefly discuss their function.
                            (8 marks)
c) Why do we study computer workshop practice?   **(2 marks)**

Question Four (20 marks)

a) What could be the cause of:
    i) HTDR missing
    ii) Blue screen
    iii) Invalid disk
    iv) The program is not responding and it will close down.   **(8 marks)**

b) Discuss the factors to put in consideration when disposing computer equipment.   **(6 marks)**

c) In details explain the method you would use to dispose the equipment. **(6 marks)**

Question Five (20 marks)

a) List **THREE** equipment which are powered directly and indirectly by the power supply.

(6 marks)

b) What can we put in consideration when upgrading a computer in a workshop? **(6 marks)**

c) What does POST mean? **(3 marks)**

d) List **THREE** items which can set the configuration when installing an operating system.

(2 marks)