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 car e 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)