TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN INFORMATION TECHNOLOGY & MAINTENANCE
(CICM 13S)

EIT 1108: WORKSHOP TECHNOLOGY

END OF SEMESTER EXAMINATION
SERIES: APRIL 2014
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination
- *Answer Booklet*
This paper consists of **FIVE** questions. Attempt question **ONE** and any other **TWO** questions

Question One (Compulsory)

a) Differentiate between the following terms giving example: **(10 marks)**

    (i) Computer hardware and computer software
    (ii) Electro statics charge and electro static damage

b) Explain FIVE preventive way of electro static charge **(5 marks)**

c) Define the following terms and give an application area: **(5 marks)**
    (i) ROM
    (ii) ALU
    (iii) CU
    (iv) VGA
    (v) RAM

Question Two

a) Describe the meaning of computer workshop. Explain. **(5 marks)**

b) List FIVE general rules of a computer workshop. **(5 marks)**

c) Power failures can cause both hardware and software loss required: **(10 marks)**
    (i) List FOUR power failures
    (ii) For each case above list THREE of prevention

Question Three

a) List FIVE guidelines of power safety. **(5 marks)**

b) Name and explain the FOUR classification of fire extinguisher **(8 marks)**

c) Name FIVE maintenance and fire networking tools **(7 marks)**

Question Four

a) Explain the term computer ergonomics. **(10 marks)**

b) Name in each category FIVE categories: **(10 marks)**
    (i) Output devices
    (ii) Inputs devices
    (iii) Storage devices
    (iv) Mother board devices

Question Five

a) What is e-waste explain. **(3 marks)**

b) List and explain factors to consider before disposal. **(7 marks)**

c) Briefly explain FIVE methods of safety disposal. **(10 marks)**