TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN INFORMATION COMMUNICATION TECHNOLOGY (CICT)

EIT 1108: COMPUTER WORKSHOP PRACTICE

END OF SEMESTER EXAMINATION
SERIES: APRIL 2015
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 (Compulsory)** and any other **TWO** questions
Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Question One (Compulsory)

a) Define a computer   **(1 mark)**

b) Using the FOUR stage model, describe the functions of each-stage in the model forming a
   computer system   **(10 marks)**

c) With an aid of at least THREE examples, differentiate between computer hardware and software
                                                                                                                     (6 marks)

d) State the TWO types of buses used in a computer system and explain the function of each.
                                                                                                                     (3 marks)

Question Two

a) Differentiate the following communication device giving at least FIVE devices in each case.
   (i) Input device
   (ii) Output device
   (iii) Storage device   **(15 marks)**

b) State the major functions of operating system (OS)   **(5 marks)**

Question Three

a) With aid of sketches, explain the following printer paper feeding mechanism   **(10 marks)**
   (i) Traction feeding
   (ii) Friction feeding

b) Describe the factors to consider when choosing to expand the memory of your computer system
                                                                                                                     (10 marks)

Question Four

a) Explain the procedure of assembling computer hardware system.   **(10 marks)**

b) Describe the techniques used to test the condition of a power supply system unit of a computer
   system   **(10 marks)**

Question Five

a) Define a virus and explain techniques used to prevent data from being affected by virus
                                                                                                                     (5 marks)

b) Data security is paramount to an organization. Describe the methods employed to enhance data
   security in an organization   **(15 marks)**