TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN INFORMATION COMMUNICATION & MAINTENANCE (CICM 13S)

EIT 1104: INTRODUCTION TO ICT

END OF SEMESTER EXAMINATION
SERIES: AUGUST 2013
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

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Question One (Compulsory)

a) Define the following terms as used in ICT:
   (i) Computer system
   (ii) Computer software   **(4 marks)**

b) Computers are electronic machines which accept data as input, process and gives information as an output. List **FIVE** methods of classifying computers.   **(5 marks)**

c) List **FIVE** considerations in purchasing computer hardware.   **(5 marks)**

d) Describe the functions of an operating system   **(6 marks)**

Question Two

a) Differentiate between utility program and application software, giving two examples in each.
                                                                                  (6 marks)

b) With the aid of a well labeled block diagram, illustrate the main components of the central processing unit.   **(8 marks)**

c) List and explain **THREE** features and trends of computer softwares.   **(6 marks)**

Question Three

a) Differentiate between computer Ergonomics and security.   **(4 marks)**

b) List any **SIX** advantages of using computers in an organization.   **(6 marks)**

c) What do the following Acronyms stand for?   **(2 marks)**
   (i) G.U.I
   (ii) A.L.U

d) Differentiate between ROM and RAM giving key characteristic in term.   **(2 marks)**

e) Describe **FIVE** types of computers based on power and price.   **(10 marks)**

Question Four

a) State any **SIX** security threats and recommend measures of controlling them. **(12 marks)**

b) List **FIVE** roles of a system analyst   **(5 marks)**

c) What is a computer generation? Give ONE characteristics of earlier computer generation.
                                                                                  (3 marks)

Question Five

a) List **FOUR** computer communication equipment.   **(4 marks)**

b) List **FOUR** safety measures when dealing with computer systems.   **(4 marks)**

c) List **THREE** limitations of computers   **(3 marks)**

d) What is a computer virus?   **(2 marks)**

e) What is computer peripheral   **(1 marks)**