TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN COMMUNITY DEVELOPMENT & COUNSELLING
CERTIFICATE IN MEDICAL LABORATORY SCIENCES
(CCMC 13M/CMLS 13M)

EIT 1101: COMPUTER APPLICATIONS

END OF SEMESTER EXAMINATION
SERIES: AUGUST 2013
TIME: 2 HOURS

<u>**Instructions to Candidates:**</u>
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 **THREE** printed pages

Question One (Compulsory)

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

b) Explain the following terms as used in computer science. **(4 marks)**
  (i) Data
  (ii) Program
  (iii) Data processing
  (iv) Information

c) What are the functions of an operating system? **(6 marks)**

d) What are the major characteristics of a computer? **(8 marks)**

Question Two

a) What is a cell? **(3 marks)**

b) List and explain **THREE** functional units of a computer. **(6 marks)**

c) What is the difference between a workbook and a worksheet? **(2 marks)**

d) What is a function? **(2 marks)**

e) List and explain **THREE** functions stating **TWO** examples for each. **(9 marks)**

Question Three

a) Ms Word is a word processor. Discuss **(2 marks)**

b) List **FOUR** examples of a word processor mainly used in the market. **(2 marks)**

c) Identify the advantages of using computers in banking. **(8 marks)**

d) State the difference between desktop computers and laptop computers. **(2 marks)**

e) List and explain the elements of a computer. **(6 marks)**

Question Four

a) Explain **FIVE** application areas where spreadsheet software can be used. **(5 marks)**

b) Name **FOUR** data types as used in spreadsheets. **(2 marks)**

c) Differentiate between relative and absolute cell reference as used in Ms-Excel. **(2 marks)**

d) Explain the **THREE** types of data base models. **(6 marks)**

e) Write down the procedures to design a presentation. **(5 marks)**

Question Five

a) Explain briefly the following concepts as used in the windows environment:
  (i) Desktop
  (ii) Window
  (iii) Icon
  (iv) Sidekick menu
  (v) Taskbar
  (vi) Task   **(6 marks)**

b) Explain how a paragraph can be moved from one page to another using a word processor.
                                                                                  (4 marks)
c) Give any **FOUR** text alignment features   **(4 marks)**

d) State **TWO** reasons why it is necessary to specify the correct paper size before printing.
                                                                                  (2 marks)
e) Differentiate between the traditional ledger sheet and an electronic spreadsheet.   **(4 marks)**