



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN MEDICAL LABORATORY SCIENCE (CMLS)

EIT 1101: COMPUTER APPLICATIONS

END OF SEMESTER EXAMINATION

SERIES: APRIL 2012

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consists of **FIVE** questions in **TWO** sections **A & B**

Answer question **ONE (COMPULSORY)** plus 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 term computer (2 marks)
- b) Explain **TWO** positive impacts of computers in an organization (4 marks)
- c) Differentiate between computer hardware and software. Give **ONE** example for each (4 marks)
- d) List any **FOUR** types of computers (4 marks)
- e) Briefly explain the following terms as used in computing (6 marks)
 - (i) Memory
 - (ii) CPU
 - (iii) Desktop

SECTION B (Attempt any TWO sections)

Question Two (20 marks)

- a) Briefly explain the following categories of programs with an example of each: (10 marks)
 - (i) Word Processor
 - (ii) Spreadsheet
 - (iii) Database System
 - (iv) Presentation Package
 - (v) Web browser
- b) Describe any **FOUR** features of a word processor (8 marks)
- c) State **TWO** examples of output devices (2 marks)

Question Three (20 marks)

- a) As a student was working on her computer, the mouse failed before she could complete her assignment. State the keyboard key strokes she would use to perform the following tasks: (4 marks)
 - (i) Move the cursor to the end of the current line
 - (ii) Select the entire document
 - (iii) Place data from a clipboard to a document
 - (iv) Save the current document
- b) Define the following terms as used in Ms-PowerPoint. (6 marks)
 - (i) Slide
 - (ii) Animation
 - (iii) Transition
- c) Given the following extract below, identify any **FOUR** formatting options that have been applied

- d) Explain the use of the following math functions found in Ms-Excel (6 marks)
- (i) SUM
 - (ii) MAX
 - (iii) Average

Question Four (20 marks)

- a) Define the term Internet (2 marks)
- b) Describe any **FOUR** services available on the internet (8 marks)
- c) State the **FOUR** prerequisites for gaining access to the internet (8 marks)
- d) State **TWO** disadvantages of the internet (2 marks)

Question Five (20 marks)

- a) State the **FOUR** major operations performed by a computer (4 marks)
- b) The Office button is the most apparent element in the window (interface) of all applications in Microsoft Office 2007. State any other **FOUR** elements (4 marks)
- c) Differentiate between the following commands commonly found in Ms Office applications.
 - (i) Save and Save As
 - (ii) Cut and Copy (4 marks)
- d) Discuss any **FOUR** areas/sectors where computers are applied, stating their major functional importance (8 marks)