THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN COMMUNITY DEVELOPMENT & COUNSELLING

EIT 2101: COMPUTER APPLICATIONS

END OF SEMESTER EXAMINATION
SERIES: DECEMBER 2012
TIME: 2 HOURS

<u>**Instructions to Candidates:**</u>
You should have the following for this examination
- *Answer Booklet*
This paper consist of **FIVE** questions

Answer question **ONE (COMPULSORY)** 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) Define a computer.   **(2 marks)**
b) Give **SIX** characteristics of current computer generation.   **(6 marks)**
c) Describe **FIVE** types of computers based on size and capacity.   **(10 marks)**
d) Distinguish between primary and secondary memory giving an example in each case. **(4 marks)**
e) Describe **FOUR** functions of operating system software.   **(8 marks)**

Question Two

a) Describe any **SIX** categories of application software.   **(12 marks)**

b) Describe the function of the **FOUR** main parts of windows taskbar. **(8 marks)**

Question Three

a) By use of a software family tree, show classification of computer software. **(8 marks)**
b) Describe the use of the following Ms-Dos commands, showing an example on how each
   commands could be used:
   (i)   DIR
   (ii)   CD
   (iii)   MD
   (iv)   RD
   (v)   DEL
   (vi)   REN   **(12 marks)**

Question Four

a) Explain the meaning of the following Ms-Excel Terminologies: **(8 marks)**
   (i)   Cell
   (ii)   Cell references
   (iii)   Worksheet
   (iv)   Workbook
   (v)   Range

b) Use the following cross-section of an excel worksheet to answer question (i) to (v) which follow:

	C	D	E	F	G
4	**Examination Scores**				
5		**Name**	**English**	**Math**	**Total**
6	1	Ouma	40	65	
7	2	Jane	50	80	
8	3	Ken	59	65	

   Write Excel functions to do the following:

   (i)   Calculate total score for Ouma   **(2 marks)**
   (ii) Calculate average score for English   **(2 marks)**
   (iii) Calculate the average total score for all students.   **(2 marks)**
   (iv) Determine the highest score in English.   **(2 marks)**
   (v)   Determine the lowest score in English.   **(2 marks)**

Question Five

a) Explain the function of the following Ms-word 2007 interface.   **(8 marks)**
    (i)   Quick Access Toolbar
    (ii)   The Ribbon
    (iii)   The Launcher
    (iv)   Office Button

b) List **SIX** benefits of using computers in your profession.   **(6 marks)**

c) Define the following presentations terms:
    (i)   Slide
    (ii)   Animation
    (iii)   Transition   **(6 marks)**