THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(**(A Constituent College of JKUAT)**

(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN INFORMATION COMMUNICATION TECHNOLOGY & MAINTENANCE (CICTM 12M)

EIT 1002: COMPUTER APPLICATIONS

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

Instructions to Candidates:

You should have the following for this examination
-   *Answer Booklet*

This paper consist of **FIVE** questions in **TWO** sections **A & B**
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
SECTION A (COMPULSORY)

Question One (30 marks)

a) Key the following section of a worksheet in Ms Excel and save it by your full names in the computer. **(6 marks)**

	A	B	C	D	E	F
1	EXAM MARKS					
2	S.NO	NAMES	CAT(30)	EXAM (70)	TOTAL MARKS	GRADE
3	1000	JANE OMARI	23	33		
4	1050	KENEDY OUMA	15	23		
5	1090	OMAR SALIM	30	30		
6	1560	RAHAB KAHIDI	22	44		
7	1920	ALICE MAINA	12	55		
8	2100	TOM KELI	10	45		
9						
10		Mean				
11		Highest Score				

b) Write Excel functions to do the following:
   i) Calculate total marks for each student. **(2 marks)**
   ii) Calculate the mean score for CAT. **(2 marks)**
   iii) Determine the highest exam mark score. **(2 marks)**
   iv) A student who scores 0 to 39 is awarded a "FAIL" , 40 to 59 is a "PASS", 60 to 70" a "CREDIT", 71 to 100" a "DISTINTICTION"
   Write a function to determine the grade for each student. **(6 marks)**

c) (i) Type the following paragraphs in Ms Word and save the file in the computer by your file names. Check the paragraphs for any spelling and grammatical errors. **(6 marks)**

An estimated 109 people were last evening confirmed missing following a series of devastating landslides that buried villages along Mt. Elgon in Baduda Uganda on Monday.
The villagers were buried 60km from the Kenyan boarder at Lwakhakhan under mud and boulders, resurrecting memories of the March 2010 and August 2011 landslides in the same areas. Residents, using what they could find, dug through mounds of mud in a desperate attempt to rescue their loved ones. Officials last night confirmed that 18 people had died and 10 hospitalized.

   i) Insert the heading "18 killed as Landslide Burry Ugandan Villages" to the document you typed above. **(2 marks)**
   ii) Change indentation for the paragraphs to hanging. **(2 marks)**
   iii) Use an appropriate tool and generate synonyms for the word "burry" in the title and type the list below the paragraphs. **(2 marks)**

SECTION B (Answer Any Two Questions)

Question Two (15 marks)

a) List **THREE** advantages of using spreadsheets applications. **(3 marks)**

b) Describe **SIX** features of a Word Processing application. **(12 marks)**

Question Three (15 marks)

a) Name **THREE** Database Management Software. **(3 marks)**

b) Explain **SIX** benefits of using a Database Management System. **(6 marks)**

c) List **SIX** data types used in Ms Access. **(6 marks)**

Question Four (15 marks)

a) Describe **THREE** advantages of using Spreadsheets. **(6 marks)**

b) Define the presentations terms:
   i) Slides
   ii) Master slides
   iii) Animation **(6 marks)**

c) Distinguish between copy and cut commands. **(1 mark)**

d) Give **TWO** disadvantages of DBMS. **(2 marks)**

Question Five (15 marks)

a) Define the terms:
   i) Database
   ii) Table
   iii) Primary key **(6 marks)**

b) Describe **FOUR** functions of DOL's and DDLs in databases. **(8 marks)**

c) What is DBMS? **(1 mark)**