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
(DCDC 12M)

BLS 2103: COMPUTER APPLICATIONS

SPECIAL/SUPPLEMENTARY EXAMINATION
SERIES: OCTOBER 2012
TIME: 2 HOURS

Answer 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
SECTION A (COMPULSORY)

Question One (20 marks)

a) Differentiate between computer hardware and computer software. **(2 marks)**

b) Define the following terms:
    i)   Computer Generation
    ii) Word Processing **(4 marks)**

c) Describe **SIX** applications of computers in your profession. **(6 marks)**

d) Describe **FOUR** methods of starting programs in Ms Windows. **(4 marks)**

e) List **FOUR** advantages of application packages. **(4 marks)**

SECTION B (Answer Any Two Questions)

Question Two (20 marks)

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

b) Describe **SIX** functions of an operating system software. **(6 marks)**

c) Describe **FOUR** advantages and **TWO** disadvantages of application packages. **(12 marks)**

Question Three (20 marks)

a) Describe **FIVE** types of computers based on size and processing power. **(10 marks)**

b) Explain **SIX** uses of the internet in your field of training. **(6 marks)**

c) Describe **TWO** improvements witnessed in the development of computers. **(4 marks)**

Question Four (20 marks)

a) Describe **THREE** methods of arranging multiple windows on Ms Windows desktop. **(6 marks)**

b) Describe **THREE** advantages of a customized application. **(6 marks)**

c) Describe the components of central processing unit. **(6 marks)**

d) What do the initials GUI mean? **(2 marks)**

Question Five (20 marks)

a) Differentiate between a function and a formular in spreadsheets. **(2 marks)**

b) Describe the **FOUR** main sections of the Microsoft Windows taskbar. **(8 marks)**

c) use the following section of a worksheet to answer question (i) to (iv) below:

	A	B	C	D	E	F
1						
2	ST. NO.	NAME	CAT (40)	EXAM (60	TOTAL MARKS	GRADE
3	DCD 20	JANE	23	26		
4	DCD 30	KEN	15	35		
5	DCD 40	OMAR	30	51		
6	DCD 50	RAHAB	22	44		
7						
8						

Write Excel function to:
    i) Calculate total marks for Jane   **(2 marks)**
    ii) Calcualte the mean exam score   **(2 marks)**
    iii) Determine the highest exam score   **(1 mark)**
    iv) Award a "PASS" to Jane if her total mark is greater than 40.   **(4 marks)**