KIBABII UNIVERSITY COLLEGE
(A Constituent College of Masinde Muliro University of Science and Technology)

UNIVERSITY EXAMINATION 2013/2014

FOR THE DIPLOMA IN CRIMINOLOGY AND SOCIAL WORK

COURSE CODE: **DCR 053**

COURSE TITLE: COMPUTER APPLICATIONS

DATE: April, 2014   **TIME: 2 Hrs.**

INSTRUCTIONS

Answer question ONE and Any Other TWO questions

Section A (24 Marks)

Question 1.

1. Differentiate between hardware and software. Give two examples of each.   (4mks)
2. Identify any two types of input devices and their uses.   (2mks)

3. In today's world, computers are essential in various applications and processes. Give four uses of computers in the world today.   (4mks)

4. Define the term cell as used in MS excel   (1 Mk)
5. State any three types of computers classified according to size   (2mks)

6. Study the following spread sheet below and answer the questions that follow:

	A	B	C	D	E
1		Chips	Afia	Sausage	Total Items
2	Andrew	1	1	2	
3	James	5	2	2	
4	Davidson	4	3	2	
5	Zedekiah	2	1	2	
6	**Cost**	**30**	**15**	**5**	

i.) The expression SUM (B3:D3) would obtain whose Total Items?   (1 Mark)

ii.) Which expression would you use to obtain

   a. Total Expenditure by Davidson   (3 Marks)

   b. The number of Chips taken   (2 Marks)

7. State and explain the FIVE phases of a traditional approach to managing project activities.

   (5 marks)

SECTION B

QUESTION ONE (18 MARKS)

1. Define the following terms as used in computers: (3mks)

   i.   Computer
   ii. Peripheral device
   iii. Internet

2. Many government offices still use stand-alone computers despite the advanced networking technology. Briefly explain four advantages of using networks in government offices.
   (4mks)
3. Differentiate between first generation and third generation computers.   (4mks)
4. What is RAM? How is it different from disk storage?   (2mks)
5. Compare and contrast between the following: (4mks)

   i. DVD and CD

   ii. A Window and a dialogue box

6. Write the following in full.   (1mk)
   i. PC

QUESTION TWO (18 MARKS)

1. Define a computer virus.   (3mks)
2. Once a computer has been compromised by a virus it is usually unsafe to continue using the same computer without removing the virus. State and explain two recovery methods. (5mks)
3. What is multitasking? State and explain any two advantages of multitasking.   (3mks)
4. State and explain any 3 types of computer viruses.   (6mks)

5. Describe the function of the MODEM when connecting to the internet.   (1mks)

QUESTION THREE (18 MARKS)

1. Differentiate the following computer terms.

     i.   Primary and Secondary storage.   (2mks)

     ii.   Operating system and system software   (2mks)

     iii.   Analogue computers and Digital computers   (2mks)

     iv.   Volatile and non-volatile memory   (2mks)

2. Describe two advantages and disadvantages of using the internet   (4 mks)

3. Write short notes on the Bus and Register as used in computers   (4mks)

4. A typical personal computer consists of a motherboard that contains various parts. Name any two components of a motherboard while stating their functions.   (2mks)

QUESTION FOUR (18 MARKS)

1. What is the main function of the power supply unit of a computer?   (2mks)

2. In a Windows start menu, the following functionalities are available. Differentiate the functions of these features:-   (3 Marks)

    a. Switch User

    b. Log off

    c. Lock

3. Define the following terms   (4 Marks)

    a. Internet

    b. Browser

    c. WWW

    d. ISP

4. Name any four examples of operating systems.   (4 Marks)

5. Explain any 3 factors that explain why a calculator is referred to as a computer (3 Marks)

7. Define the following as used in Computing.   (2 Marks)

    i. Warm Booting