KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2016/2017 ACADEMIC YEAR
DIPLOMA IN HOSPITALITY AND TOURISM MANAGEMENT

DHT 003 - INTRODUCTION TO MICRO-COMPUTERS

Date: 9th August, 2016.
Time: 3.30pm – 5.30pm

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

a) Differentiate between the following terms;

   i) Data and information

   ii) Computer Peripheral and Computer hardware

   iii) RAM and ROM

   iv) Computer security and computer virus

   v) Columns and Rows

(10 Marks)

b) Differentiate between primary storage and secondary storage?

(4 Marks)

c) State and explain any four characteristic of computers

(8 Marks)

d) Discuss the major categories of computers based on their area of application

(4 Marks)

e) Explain any two mechanisms you can apply to enforce security computers in an organization?

(4 Marks)

QUESTION TWO (20 MARKS)

a) Using examples differentiate between system software and application software.

(4 Marks)

b) State the functions of the following computer components indicating whether it is an input or output device;

   i) Printer

   ii) Mouse

   iii) Monitor

(6 Marks)

c)   With the aid of a diagram, explain the basic structure of the CPU focusing on its functional components.   (10 Marks)

QUESTION THREE (20 MARKS)

a)   Discuss the generation of computers focusing on the major technological changes.

      (10 Marks)

b)   Discuss any five effects of computerization.

      (5 Marks)

c)   Using examples, differentiate between a formula and a function?

      (5 Marks)

QUESTION FOUR (20 MARKS)

a)   Computers have played a major role in today's society and thus have been used in wide areas. Briefly discuss any two specific areas where computers have and are being used.

      (4 Marks)

b)   With the aid of diagrams, explain the following types of computer network topologies giving their advantages and disadvantages.

      (12 Marks)

c)   Differentiate between warm booting and cold booting?

      (4 Marks)

QUESTION FIVE (20 MARKS)

a)   State and explain any four functions of an operating system.

      (8 Marks)

b)   Give any three Benefits of using database to store information.

      (6 Marks)

c)   Define a computer network and discuss any two advantages of computer networks

      (6 Marks)