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KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2018/2019 ACADEMIC YEAR
DIPLOMA IN HUMAN RESOURCE MANAGEMENT

DCU 1007- INFORMATION COMMUNICATION TECHNOLOGY AND ETHICS

Date: 11th April, 2018
Time: 11.00Am-1.00Pm

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

Differentiate between the following terms:

(10 Marks)

- i. Data and information
 - ii. Network and Internet
 - iii. RAM and ROM
 - iv. Computer security and Information Security
 - v. Columns and Rows
- a. State and explain any four characteristic of computers (8 Marks)
 - b. Ethics are values and morals within a given society. Discuss some of the ethical issues related to ICT in organizations (8 Marks)
 - c. Explain any two mechanisms you can apply to enforce computer security 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. (6 Marks)
 - i. Joystick
 - ii. Plotter
 - iii. Monitor
- c. The brain of a computer comprises of various components. Using a diagram, discuss the life cycle of a control unit which forms part of these 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
 - i) Bus
 - ii) Ring (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)