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KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2023/2024 ACADEMIC YEAR
EXAMINATION FOR THE DIPLOMA
DCU 1007 – ICT & ETHICS
SPECIAL EXAM

Date: 15TH AUGUST 2023
Time: 8:30AM – 10:30AM

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) Define the following computer terms
- i) Computer
 - ii) Input
 - iii) Output
 - iv) Processing (8 Marks)
- b) Computers have evolved through many generations over the years. State and explain the five generations the computers have evolved through (10 Marks)
- c) Explain the main units of the Central processing unit (CPU) giving their functions (4 Marks)
- d) Differentiate between the following terms as used in ICT (8 Marks)
- i) RAM and ROM
 - ii) A formula and a Function

QUESTION TWO (20 MARKS)

Word Processing

- a) Explain what a font is. (2 Marks)
- b) State the two different page orientations a word processed document can be set to. (2 Marks)
- c) Text can be aligned in different ways to improve the appearance of a document. State two different kinds of paragraph alignment and for each give an example of its use. (4 Marks)
- d) Explain why it is important to proofread a word processed document. (2 Marks)
- e) Discuss the four major functions of an operating system (8 Marks)
- f) Name two internet browsers (2 Marks)

QUESTION THREE (20 MARKS)

- a) Differentiate between the spreadsheet terms listed below. (6 Marks)

- i) A worksheet and a workbook
 - ii) Columns and Rows
 - iii) A cell and label
- b) List five Benefits of using database to store information (5 Marks)
- c) Discuss FORMATING as a term used in computing. (2 Marks)
- d) Differentiate between the following terms:
- i) Data and information (2 Marks)
 - ii) Computer security and data security (2 Marks)
 - iii) Field and a record (3 Marks)

QUESTION FOUR (20 MARKS)

- a) Discuss the two forms of page payout as used in computing. Portrait and landscape (4 Marks)
- b) Differentiate between warm and cold booting. (4 Marks)
- c) Give steps of copy and pasting of text (not using short cut). (4 Marks)
- d) State the steps of changing Font type of text (4 Marks)
- e) Give an example of what a business might use a database for. (2 Marks)
- f) State the most appropriate data type for storing each of the items of data listed below. (2 Marks)
 - i) 20 8329 2930 (1 mark)
 - ii) 21 July 1969 (1 mark)

QUESTION FIVE (20 MARKS)

- a) Explain what the following e-mail terms mean.
 - i) Junk mail (also known as spam) (1 Marks)
 - ii) Zip (2 Marks)
 - iii) Cc (also known as Carbon Copy) (2 Marks)
 - iv) Reply to All (2 Marks)
- b) Reply and Forward are two very useful e-mail commands.
 - i) Explain one similarity between Reply and Forward. (2 Marks)
 - ii) Explain one difference between Reply and Forward. (2 Marks)
- c) With the aid of diagrams, explain the following types of computer network topologies giving their advantages and disadvantages:
 - i) Star topology (3 Marks)
 - ii) Ring topology (3 Marks)
 - iii) Mesh topology (3 Marks)