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# KIRIRI WOMEN'S UNIVERSITY OF SCIENCE AND TECHNOLOGY
## UNIVERSITY EXAMINATION, 2023/2024 ACADEMIC YEAR
### DCU 1007: ICT AND 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
ivProcessing                                                                           (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:**
**Word Processing**
(a) (i) 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:**
(a) Differentiate between the spreadsheet terms listed below.                  (6mks)
   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            (5mks)

(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:**
(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)
(b) Give an example of what a business might use a database for. (2 marks)
(c) 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:**
(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 (3mks)
(ii) Ring topology (3mks)
(iii) Mesh topology (3mks)