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**KIRIRI WOMEN'S UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATION, 2023/2024 ACADEMIC YEAR**  
**FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY**  
**CIT 1008 – COMPUTER APPLICATION II**

Date: 6<sup>TH</sup> December 2023  
Time: 11:30AM – 1:30PM

**INSTRUCTIONS TO CANDIDATES**

**ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS**

**QUESTION ONE (30 MARKS)**

- a) Define the following terms
- i) Database
  - ii) Spreadsheet
  - iii) Word processing (6 Marks)
- b) An operating system provides services to both users and to the programs. Discuss four common services provided by the information system (8 Marks)
- c) Discuss four negative impacts of Information Communication Technology (ICT) to the society (8 Marks)
- d) Computers can be classified according to size, power and capability, discuss four types of computers under this classification (8 Marks)

**QUESTION TWO (20 MARKS)**

- a) A port is a physical docking point using which an external can be connected to a computer. Discuss four types of ports used by computers (8 Marks)
- b) A chart is a graphical representation of a worksheet data where data values are displayed as bars, columns or pie slices. Describe how charts are created in excel (8 Marks)
- c) RAM is the internal memory of the CPU. Highlight four characteristics of the Random Access Memory (RAM) (4 Marks)

**QUESTION THREE (20 MARKS)**

- a) Memories in computers are just like the human brain. Explain and discuss three types of memories used by computers (6 Marks)
- b) Hardware acquisition involves a thorough analysis of the available equipment's. Establish six factors to consider in the selection of computer hardware (6 Marks)
- c) Discuss four examples of data types applied in the creation of tables in database design (8 Marks)

**QUESTION FOUR 20 MARKS**

- a) There are many factors which affect how fast your computer can process data and instructions. Enumerate and discuss four factors determining the processing power of a computer (8 Marks)
- b) Word processing is an act of using a computer to produce text oriented documents, Highlight six skills obtained from using word processing (6 Marks)
- c) Different communication channels allow different types of networks to be formed. Discuss three major types of networks according to their geographical size (6 Marks)

**QUESTION FIVE (20 MARKS)**

- a) Network topologies are computer configurations and arrangements. Discuss four core network topologies (8 Marks)
- b) Describe the parts of Microsoft excel 2007 screen (4 Marks)
- c) Discuss four positive impacts of Information Communication Technology (ICT) to the society (8 Marks)