

KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS, 2023/2024 ACADEMIC YEAR

END-OF-SEMESTER EXAMINATIONS

**FOR THE CERTIFICATE OF INFORMATION TECHNOLOGY /BUSINESS INFORMATION
TECHNOLOGY**

CIT 1008: COMPUTER APPLICATION II

Time: 2 HOURS

INSTRUCTIONS TO CANDIDATES

Answer Question 1 and Any other Two Questions of your choice.

QUESTION 1 (30 MARKS)

- a) Define the following terms
- i. Database (1marks)
 - ii. Spreadsheet (1marks)
 - iii. Word processing (1marks)
- b) An operating system provides services to both users and to the programs. Discuss three common services provided by the operating system (6 marks)
- c) Discuss three negative impacts of Information Communication Technology (ICT) to the society (6marks)
- d) Computers can be classified according to size, power and capability, discuss three types of computers under this classification (6 marks)
- e) Discuss three application areas applicable to Microsoft access, indicating their purposes in the stated field (6 marks)
- f) Output devices facilitate output of data and information. State three examples of computer output devices (3 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) (4marks)

QUESTION THREE (20 MARKS)

- a) Memories in computers are just like the human brain. Reveal and discuss three types of memories used by computers (6marks)
- b) Hardware acquisition involves a thorough analysis of the available equipments. 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 affects 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) Operating system handles many activities from user programs to system programs. Highlight four types of operating systems (4 marks)
- c) Discuss four positive impacts of Information Communication Technology (ICT) to the society (8 marks)