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**KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATIONS, 2022/2023 ACADEMIC YEAR**  
**END OF SEMESTER EXAMINATIONS**  
**FOR THE DIPLOMA IN BUSINESS INFORMATION TECHNOLOGY**  
**DBT 1004: BUSINESS INFORMATION SYSTEMS**

Date:

Time:.

**INSTRUCTIONS TO CANDIDATES**

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

**QUESTION ONE (30 MARKS)**

- a) Highlight any four methods of developing an information system. (4 marks)
- b) Explicate how do information systems affect market efficiency. (6 marks)
- c) Explain different characteristics of executive support systems. (6 marks)
- d) Internet technology has grown very fast in the world. Explain reasons for this. (6 marks)
- e) List and define the four major types of information systems, and give at least two information outputs to be expected from each one. (8 marks)

**QUESTION TWO: (20 MARKS)**

- a) Discuss why information systems are so essential in running and managing business today. (5 marks)
- b) Briefly describe different components of a computer-based information system. (5 marks)
- c) Discuss different activities that system analysts and system designers have to undergo through during system development life cycle. (10 marks)

**QUESTION THREE: (20 MARKS)**

- a) Explain the factors that influence how an organization selects information systems. (5 marks)
- b) Explain five characteristics of computer networks. (5 marks)
- c) Using a diagram, explain four kinds of information systems that serve different groups of management in an organization. (10 marks)

**QUESTION FOUR: (20 MARKS)**

- a) Explain how does management use information systems to support the sales and marketing function of a business? (6 marks)
- b) Explain five main differences between management information systems (MIS) and decision support systems (DSS). (6 marks)
- c) Describe how an organization can protect against various information system threats. (8 marks)

**QUESTION FIVE: (20 MARKS)**

- a) Describe the disadvantages of using waterfall model to develop systems in comparison to other system development methodologies. (6 marks)
- b) Explain the roles of operating systems in regard to general computing. (6 marks)
- c) Elucidate how the Internet impacts the way organizations use information systems. (8 marks)