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**KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATION, 2022/2023 ACADEMIC YEAR**  
**FOR THE DIPLOMA IN BUSINESS INFORMATION TECHNOLOGY**

**DIT 1011 - MANAGEMENT INFORMATION SYSTEM**

Date: 19<sup>th</sup> April, 2022  
Time: 8.30 am – 10.30am

**INSTRUCTIONS TO CANDIDATES**

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

**QUESTION ONE (30 MARKS)**

The modern business organizations have faced the challenge of transformation to cope with the Information Technology trends that have taken a centre stage on how business transaction should be conducted. The management has to design for both information architecture and information infrastructure. The managers' ways of making decisions depend on how much information they access and how fast they can process such information and then translate it to a decision. The information systems have found applications in supporting decision making processes with enhanced appreciation, especially in the case of making unstructured decisions.

- a) Differentiate between the following terms as used in the Management Information Systems (MIS)
  - i) Data and Information
  - ii) Structured Decision and Unstructured Decision
  - iii) Information Architecture and Information Infrastructure

(6 Marks)
- b) Explain the different components that constitute a complete working information system. 

(7 Marks)
- c) Discuss the external and internal constraints that are faced by the management of an organization in implementing management Information System 

(8 Marks)
- d) Decision-making can be classified by the organization level. State and discuss stages of decision making process. 

(9 Marks)

**QUESTION TWO (20 MARKS)**

- a) IS architecture providing a unifying framework into which various people with different perspectives can organize and view the fundamental components of an information system? State different types system stakeholders. 

(5 Marks)

- b) State any five types of information systems that are used within an organization (5 Marks)
- c) Using a diagram, demonstrate your understanding of the organizational structure and the corresponding information systems (10 Marks)

**QUESTION THREE (20 MARKS)**

- a) Explain any SIX factors that bring about the change within an organization (6 Marks)
- b) Elaborate on the importance of having a disaster recovery plan implemented for an information system (5 Marks)
- c) State and discuss stages that are involved in Systems development life cycle (SDLC). (9Marks)

**QUESTION FOUR (20 MARKS)**

- a) Discuss four categories of feasibility a proposed system can be evaluated in. (8 Marks)
- b) Describe any three security threats to data stored in an information system of a business organization (6 Marks)
- c) Explain any three security measures that can be applied to safeguard the data within a database system (6Marks)

**QUESTION FIVE (20 MARKS)**

- a) Distinguish between the terms data warehouse and data mining (4 Marks)
- b) Internet has become the backbone for supporting business transactions. Explain the challenges associated with use of Internet resource in business organizations (6Marks)
- c) Discuss the benefits of an organization engaging in E - Collaboration (5 Marks)
- d) State and explain the merits of e-services to any business person and organization in general, (5Marks)