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KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2022/2023 ACADEMIC YEAR
FIRST YEAR FOURTH SEMESTER END OF SEMESTER EXAMINATION
FOR DIPLOMA IN ACCOUNTING

DIT 1012- MANAGEMENT INFORMATION SYSTEMS

Date: 29th July 2022

Time: 11.30am-1.30pm

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION (COMPULSORY) AND ANY OTHER TWO QUESTION

QUESTION ONE (30 MARKS)

- a) Define the following terms in relation to management information system: (6 marks)
- i) Management
 - ii) System
 - iii) Information system
- b) Explain FIVE elements of management information system. (6 marks)
- c) Discuss any THREE types of systems. (6 marks)
- d) Differentiate between a threat and a crime as used in information system (2 marks)
- e) Differentiate between System software and application software giving examples. (4 marks)
- f) Describe FOUR categories of controls that can be used in information systems. (6 marks)

QUESTION TWO (20 marks)

- a) Discuss the system development life cycle using waterfall methods, stating clearly the function of every stage. (12 marks)
- b) Discuss the following approaches used in reducing information system threats:
- i) Containment (2 marks)
 - ii) Deterrence (2 marks)
 - iii) Obfuscation (2 marks)
 - iv) Recovery (2 marks)

QUESTION THREE (20 MARKS)

- a) Explain FIVE threats that can affect information system in an organization. (10 marks)
- b) Describe TWO ways of acquiring an information system in an organization. (2 marks)
- c) Explain FOUR factors to be considered when acquiring an information system. (8 marks)

QUESTION FOUR (20 MARKS)

- a) Differentiate the following terms:
 - i) System changeover and system review (4 marks)
 - ii) System decay and system analysis (4 marks)
- b) Define the term feasibility study. (2 marks)
- c) Describe FIVE types of feasibility study used when information developing a system. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Describe the importance of the following network components:
 - i) Servers (3 marks)
 - ii) Telecommunications processors (3 marks)
 - iii) Middleware (3 marks)
- b) Differentiate between denial of service and identity theft as computer threats, giving examples. (6 marks)
- c) Explain the importance of Formal security policy in data protection as used by business organizations. (5 marks)