

MANAGEMENT INFORMATION SYSTEMS



UGANDA INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY END OF SEMESTER II EXAMINATIONS RECESS 2024

DEPARTMENT : ICT
YEAR OF STUDY : TWO
SEMESTER : ONE
**PROGRAM : DIPLOMA IN INFORMATION TECHNOLOGY FOR SCIENCE
DIPLOMA IN INFORMATION TECHNOLOGY FOR BUSINESS**
COURSE : MANAGEMENT INFORMATION SYSTEMS
COURSE CODE : IT213
DATE : SATURDAY, JULY 6, 2024
TIME : 09:00 AM – 12:00 NOON
DURATION : 3 Hours

INSTRUCTIONS

- ❖ The paper consists of two Sections A and B
- ❖ Answer **ALL** questions in Section A and **ANY THREE** questions in Section B
- ❖ Credit will be given to relevant examples and illustrations
- ❖ Don Not Write anything on this question paper

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SECTION A [40 MARKS]

Attempt **ALL** the Questions in this section

Question 1

- a) What are some of the **five** qualities of good information? **(5 marks)**
- b) Give **three** activities that is meant to produce the information that an organization needs. **(3 marks)**
- c) (i) With an example, explain what is meant by a **digital firm**. **(3 marks)**
(ii) Outline any **four** features of a digital firm. **(4 marks)**
- d) Draw a pyramid showing **four** different kinds of **groups (people)** an information system can be used to serve. **(4 marks)**
- e) List any **four** information systems that support the major functional areas of any organization. **(4 marks)**
- f) Identify any **three** organizational factors that need to be considered when planning to adopt an information system. **(3 marks)**
- g) List any **three** professionals found in Information Systems department of any organization. **(3 marks)**
- h) State any **three** types of decisions that are made by managers. **(3 marks)**
- i) (i) Give any **three** goals of information systems security. **(3 marks)**
(ii) Outline **five** general controls that can be applied to all computerized applications of an organization **(5 marks)**

SECTION B [60 MARKS]

Attempt **ONLY THREE** Questions in this section

Question 2

- a) Using an illustration, explain what you understand by an information system. **(5 marks)**
- b) Outline any **five** components of a computer-based information system. **(5 marks)**
- c) Explain some of the **challenges** experienced by organizations in their attempt to embrace information systems. **(10 marks)**

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Question 3

- a) Explain the **four** major types of systems that support a digital firm. **(8 marks)**
- b) Write short notes on the **six** major types of information systems that support the organizational levels of an organization. **(12 marks)**

Question 4

- a) Discuss **four** ways of how information systems affect organizations. **(8 marks)**
- b) A major role for information systems is to provide support for managerial decision making.
 - (i) Discuss the activities performed during each of the **four** phases/stages of the decision making process. **(8 marks)**
 - (ii) Identify information system tools that can be used to support each phase of the decision-making process **(4 marks)**

Question 5

- a) Using any business of your choice, discuss Michael Porter's five forces model that is used for market analysis and business strategy development. **(10 marks)**
- b) How can strategic managers embrace today's business competition using information systems? **(10 marks)**

Question 6

- a) What is multi-factor authentication? **(4 marks)**
- b) Define a security threat in regard to business information systems **(4 marks)**
- c) Explain any four threats to information systems security **(8 marks)**
- d) Give four ways in which we can guard against information security threats **(4 marks)**

Question 7

- a) List and describe the major stages of the systems development life cycle. Give the major output of each phase **(12 marks)**
- b) Describe the other alternative systems development approaches **(08 marks)**

END