



PAN AFRICA CHRISTIAN UNIVERSITY

**DIPLOMA IN LEADERSHIP AND MANAGEMENT
DIPLOMA IN ENTREPRENEURSHIP MANAGEMENT**

END OF SEMESTER EXAMINATION APRIL 2019

DEPARTMENT: COMPUTING AND INFORMATION TECHNOLOGY

COURSE CODE: DLM107 | DET0124

CAMPUS: ROY SAMBU

COURSE TITLE: MANAGEMENT INFORMATION SYSTEMS

EXAM DATE: THURSDAY 11TH APRIL 2019

TIME: 2.00PM-5.00PM

INSTRUCTIONS

- This exam script has **TWO (2)** sections.
- Read all questions carefully before attempting.
- Answer All questions in Section **A** and any other Four questions in Section **B**.
- Write only your **student number** on the answer booklet provided.
- None programmable calculators permitted
- Calculators on phones, tablets and computers are NOT permitted in Theory Papers

SECTION A: (Answer ALL questions in this section)

Question 1: [40 Marks]

- a) Networking computer systems enables organizational to share their ICT resources. Reveal at least three components of a network, further with the use of diagrams describe the different types of network topologies. **[10 Marks]**
- b) Information systems must be protected from internal and external security issues. Differentiate between the terms security (i)risk, (ii)vulnerability and (iii)attack. Additionally explain various defense strategies that can be implemented to secure a system. **[10 Marks]**
- c) Discuss any three options an organization has for obtaining an Information System. Substantiate the selection criteria for each option. **[10 Marks]**
- d) Give the general benefits of an Information Systems to the organization **[6 Marks]**
- e) Reveal the benefits of using Object-Oriented (OO) system development. **[4 Marks]**

SECTION B: (Answer any FOUR (4) questions in this section)

Question 2:(15 Marks)

- a) The interaction between information communication technology (ICT) and organizations is very complex and is influenced by several mediating variables. Discuss at least five mediating variables may influencing ICT adoption. **[10 Marks]**
- b) Stakeholder involvement is important part of Information System planning. Justify this statement and further reveal different Information System Stakeholder. **[5 Marks]**

Question 3:(15 Marks)

- a) The strategy an organization chooses for system conversion may make the difference between system adoption or rejection. What are four system conversion strategies providing a practical case how each can be applied. **[8 Marks]**
- b) Management Information Systems are important to an organization. Discuss the objectives of an MIS. **[4 Marks]**

- c) Disclose reasons why Prototyping may be preferred for system development.

[3Marks]

Question 4:[15 Marks]

- a) Divulge and discuss reasons leading to different types of Information Systems working together inside an organization and not just one single system. Additionally reveal the different types of Information Systems that may be found within an organization.

[10Marks]

- b) Giving examples of each, distinguish between data, information and knowledge.

[3 Marks]

- c) Distinguish between Roles and Privileges as assigned by the Database Administrator.

[2 Marks]

Question 5:[15 Marks]

- a) Distinguish between open and closed system. Further provide practical examples of actual open and closed system

[8Marks]

- b) Systems are quickly becoming part and parcel of our everyday life. In the work place or as students we are most likely to interact with e-learning systems. Provide an in-depth discussion on e-learning systems are being used both in the corporate and academic sectors.

[7 Marks]

Question 6:[15 Marks]

- a) Explain the progressive stages that data goes through starting from when it is captured until it becomes Business Intelligence. Further reveal and explain the types of information systems used at each stage.

[10Marks]

- b) Define the following definitions in relation to Information systems.

- i. File.
- ii. Record
- iii. Field.
- iv. Datatype
- v. Primary Key

[5Marks]

Question 7:[15 Marks]

- a) There are various models that attempt to explain the decision making process. Discuss existing Decision Making Models and how they can be used to enhance

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business decisions.

[10]

Marks]

- b) Distinguish between client and server computer on the network and further reveal the role each plays on a network.

[5]

Marks]