



PAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMERCE; HUMAN SCIENCE AND EDUCATION

DEPARTMENT OF GOVERNANCE & MANAGEMENT SCIENCES

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| QUALIFICATION: BACHELOR OF BUSINESS AND INFORMATION ADMINISTRATION | |
| QUALIFICATION CODE: 07BBIA | LEVEL: 7 |
| COURSE CODE: BIS721S | COURSE NAME: BUSINESS INFORMATION SYSTEMS 3 |
| SESSION: NOVEMBER 2022 | PAPER: THEORY (PAPER 1) |
| DURATION: 2 HOURS | MARKS: 100 |

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| 1ST FIRST OPPORTUNITY EXAMINATION QUESTION PAPER | |
| EXAMINER(S) | Dr. N. Angula |
| MODERATOR: | Mr. M. Hamatwi |

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| INSTRUCTIONS | |
| <ol style="list-style-type: none">1. Answer ALL the questions.2. Read all the questions carefully before answering.3. Number and write the answers clearly4. Write your full name, student number and indicate whether you are a FM, PM or DI student on the cover of your answer booklet | |

PERMISSIBLE MATERIALS

1. Calculator

THIS QUESTION PAPER CONSISTS OF 4 PAGES (Including this front page)

Question 1**Section A: Multiple choice questions****[10 Marks]**

Only write down the question number and the correct answer. E.g., 1.1 C

- 1.1 What is the name of the physical and logical design of the software, hardware, protocols, and media used for data transmission?
- A Network architecture
 - B WAN network
 - C Metropolitan network
 - D Peer-to peer
- 1.2 This establishes a connection between two or more devices in a constrained geographic area, typically inside the same building, enabling communication between all connected devices?
- A Metropolitan network
 - B WAN network
 - C Local Area Network (LAN)
 - D Peer-to peer
- 1.3 This type of network is one in which two or more PCs share files and access to devices such as printers without requiring a separate server computer or server software.
- A MAN network
 - B LAN network
 - C A peer-to-peer network
 - D WAN network
- 1.4 A physical connection between the sending computer or device to the receiving computer or device is referred to as;
- A Wired media.
 - B Coaxial cable.
 - C Physical cable.
 - D Logical cables.
- 1.5 This type of development refers to an information system that is built from scratch.
- A Bespoke development
 - B Prototyping
 - C System development life cycle
 - D End-user development
- 1.6 Information Systems (IS) play a crucial part in the daily activities of a;

- A Business.
- B Social media.
- C Web 2.0.
- D Nordstrom.

1.7 Management Support Systems (MIS) provide information and support managers to aid in the;

- A Transaction processing.
- B Decision making process.
- C Processing transaction.
- D Transaction information processing.

1.8 The inventory control system tracks everything having to do with;

- A Inventory, including sales.
- B Supply chain management systems.
- C Enterprise resource planning systems.
- D Transaction processing systems.

1.9 Computer-based information systems that provide interactive information support to managers and business professionals during the decision-making process is referred to as;

- A mobile marketing decision.
- B database marketing decision.
- C decision support systems.
- D collaborative decision.

1.10 An interactive computer-based system for facilitating the solution of unstructured problems by a set of decision makers working together as a group in the same location or in different locations is referred to as;

- A Hardware tools.
- B Software tools.
- C Decision support systems.
- D Group Decision Support System (GDSS).

[Section A Total Marks: 10]

Section B: Structured questions**[90 Marks]****Answer each of the following questions:****Questions 1****[10]**

Assume you are the overseer of designing networks for Telecom Namibia. What are the different fundamental network topologies will you consider designing the network for a corporate client?

Question 2**[9]**

In computer networks, what do the terms "protocol," "wired media," and "wireless transmission media" mean? Provide (2) examples for each?

Question 3**[10]**

List and describe five (5) layers for the architecture of the TCP/IP protocol?

Question 4**[9]**

In your company, you are chosen to oversee a system development project. Mention 3 approaches or methodologies you will consider for the project development and explain each approach or methodologies?

Question 5**[14]**

Using examples, describe five (6) the operations of each SDLC phase in system development?

Question 6**[10]**

Which approach is also called the Verification and Validation methodology? Justify why it is also known by this name?

Question 7**[10]**

Critically define the term "information system" in the context of an organisation and list at least 7 examples of well-known information systems?

Question 8**[9]**

Describe the three key functions and goals of information systems at each organisational hierarchy?

Question 9**[9]**

Explain how organisations uses the Management Information System (MIS), Decision Support System (DSS), and Executive Information System (EIS)?

[Section B Total Marks: 90]**End of examination**

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| GRAND TOTAL MARKS: 100 |
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