



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF COMMERCE, HUMAN SCIENCES AND EDUCATION

DEPARTMENT OF GOVERNANCE & MANAGEMENT SCIENCES

QUALIFICATION : BACHELOR OF BUSINESS AND INFORMATION ADMINISTRATION	
QUALIFICATION CODE: 07BBIA	LEVEL: 7
COURSE CODE: BIS721S	COURSE NAME: BUSINESS INFORMATION SYSTEMS 3
SESSION: June 2024	PAPER: THEORY (PAPER 1)
DURATION: 2 HOURS	MARKS: 100

1st OPPORTUNITY EXAMINATION QUESTION PAPER	
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INSTRUCTIONS
1. Answer ALL the questions. 2. Read all the questions carefully before answering. 3. Number the answers clearly

THIS QUESTION PAPER CONSISTS OF 5 PAGES (Including this front page)

Answer the following multiple-choice questions. Only write down the question number and the correct answer. E.g. 1.1 C

Section A: Multiple choice questions

- 1.1 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 Local area network
 - B A peer-to-peer network
 - C Wide area network
 - D Private area network
- 1.2 A distributed application structure based on resource or service providers called servers, and service requesters called clients:
- A Client-Server Network
 - B Router
 - C Software
 - D Hardware
- 1.3 This refers to the layout of a computer network:
- A Network topology
 - B Computing system
 - C Information system
 - D Router
- 1.4 It is responsible to find the correct location where the packets of data travelling across the Internet must go:
- A Hardware
 - B Motherboard
 - C Software
 - D Internet Protocol (IP)

- 1.5 A structured approach to creating and maintaining a system used in information technology:
- A Intranet
 - B System Development Lifecycle (SDLC)
 - C Wide area network
 - D Private area network
- 1.6 The Waterfall methodology is the oldest approach in the:
- A Network architecture
 - B Networking
 - C SDLC
 - D Hardware
- 1.7 In this type of prototyping method the prototype is refined after every user evaluation until all requirements are incorporated:
- A Evolutionary prototyping
 - B Rapid throwaway prototyping
 - C Client/server architecture
 - D Prototyping
- 1.8 This is important as it deals appropriately with the risk aspect of the development:
- A Wi-Fi adapters
 - B Peer-to-peer network
 - C Networking
 - D The Spiral model
- 1.9 This methodology works a lot like the spiral model where a prototype is created and tested, user feedback is gained and the process of refining the product is repeated, except that there's a specific time limit to every repetition:
- A Digital signals
 - B Scrum
 - C Media
 - D Internet Protocol (IP)
- 1.10 It collects, processes, stores, analyses and disseminates information for a specific purpose:
- A Waterfall methodology
 - B An information system
 - C V-shape methodology
 - D Rapid throwaway prototyping

[10 marks]

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

Explain each of the different types of networks, the LAN, WAN, MAN and Enterprise Network?

[10]**Question 2**

What type of network architecture are you currently using in your company and why do you say that? Provide five reasons to justify your answer?

[10]**Question 3**

Outline and discuss five reasons on how would you explain the term network topology to your friend who has never heard of this term before?

[10]**Question 4**

Outline five and discuss five reasons that motivate system development?

[10]**Question 5**

System development is part of networking infrastructure. True or False? Provide five justifications for your answer?

[10]

Question 6

Identify and discuss five characteristics of information systems at the operational level of an organisation? [10]

Question 7

Outline five and elaborate on the components of a decision support system (DSS)? [10]

Question 8

A GDSS is 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. Elaborate on this definition and explain how GDSS operates. [10]

Question 9

State and discuss five roles of an information system at different organisational levels? [10]

[Section B Total Marks: 90]

End of examination

TOTAL: 100
