



PAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMERCE; HUMAN SCIENCE 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: JANUARY 2023	SESSION: PAPER 2 (THEORY)
DURATION: 2 HOURS	MARKS: 100

2nd OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Dr. N. Angula
MODERATOR:	Mr. M. Hamatwi

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 5 PAGES (Including this front page)

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

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

- 1.1 Is a set of rules to make sure that everyone speaks the same language.
- A Protocol
 - B Topology
 - C Media
 - D Architecture
- 1.2 It is referred to as the physical and logical design of the software, hardware, protocols, and media of data transmission.
- A Metropolitan network
 - B WAN network
 - C A network architecture
 - D Peer-to peer
- 1.3 A computing architecture where the majority of the resources and services that the client will use are hosted, delivered, and managed by the server;
- A MAN network architecture
 - B LAN network architecture
 - C Client/server architecture
 - D WAN network architecture
- 1.4 This type of development refers to purchasing already existing software or an? information system;
- A Off-the-shelf software
 - B Bespoke development
 - C End-user development
 - D System Development Lifecycle
- 1.5 This type of development refers to an information system that is built from scratch, in other words this is a brand-new system that has never been developed before and is customised for the business strategy and policies;
- A Bespoke development
 - B Prototyping
 - C System development life cycle
 - D End-user development

- 1.6 As you progress through the various stages of this methodology, a prototype, replica, or tiny duplicate copy of the primary item to be built will be produced?
- A Prototyping methodology
 - B Bespoke development
 - C End-user development
 - D Bespoke development
- 1.7 Is an agile technique focused on continuous delivery that keeps things straightforward and doesn't put too much pressure on the development team?
- A Agile development method
 - B Kanban
 - C Extreme Programming
 - D Development Life Cycle
- 1.8 A system of information gathering, processing, storing, analysing, and sharing data for a certain objective?
- A Information system
 - B Hardware
 - C Processing DSS
 - D Processing systems
- 1.9 computer-based information systems that provide interactive information support to managers and business professionals during the decision-making process?
- 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?
- 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 work for Telecom Namibia as a network engineer. Discuss any five (5) network components and explain each network component?

Question 2**[10]**

You are picked by your employer to manage system development projects. Why is it so crucial to consider the system development life cycle when developing a system? Discuss five (5) points and explain each point.

Question 3**[10]**

Explain the reasons for system development in an organisation? Provide (5) points and explain each point.

Question 4**[10]**

Explain the top three agile system development approaches and provide (2) examples for each?

Question 5**[10]**

List five decision support systems (DSS) components and define five model foundations and DSS subtypes utilised in an organisation?

Question 6**[10]**

Explain the meaning of the word "business intelligence" and the forms of information that are produced by it in an organisation utilising business analytical tool? Discuss (5) points with the use of examples.

Question 7**[10]**

What characteristics do information systems at the operational level of an organisation exhibit, using examples?

Question 8**[10]**

Explain the significance of information systems in today's organisations with the use of examples?

Question 9**[10]**

Why are management information systems (MIS), decision support systems (DSS), and executive information systems (EIS) utilised in an organisation?

[Section B Total Marks: 90]

End of examination

GRAND TOTAL MARKS: 100
