



PAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY
FACULTY OF COMMERCE, HUMAN SCIENCES AND EDUCATION

DEPARTMENT OF GOVERNANCE AND MANAGEMENT SCIENCES

QUALIFICATION: BACHELOR OF BUSINESS AND INFORMATION ADMINISTRATION	
QUALIFICATION CODE: 07BBIA	LEVEL: 5
COURSE CODE: BIS511S	COURSE NAME: BUSINESS INFORMATION SYSTEMS 1A
SESSION: JUNE 2024	PAPER: THEORY PAPER 1
DURATION: 2 HOURS	MARKS: 100

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	MS E. VAINO
MODERATOR:	DR N. ANGULA

INSTRUCTIONS
1. Answer ALL the questions. 2. Write clearly and neatly. 3. Number the answers clearly.

THIS QUESTION PAPER CONSISTS OF 5 PAGES (INCLUDING THIS FRONT PAGE)

QUESTION 1 -**(10 MARKS)**

Answer the following multiple-choice questions. Write down only the letter next to the appropriate number. For example 1.1. (d).

- 1.1 What is the main function of the CPU in a computer system?
- (a) Manages storage devices
 - (b) Processes data and instructions
 - (c) Displays graphics on the screen
 - (d) Stores permanent data
- 1.2 Which of the following is an example of a hardware device?
- (a) Operating System
 - (b) Microsoft Word
 - (c) Printer
 - (d) Internet Browser
- 1.3 What components are typically housed inside the system unit of a computer?
- (a) Monitor and Keyboard
 - (b) Motherboard and CPU
 - (c) Mouse and Speakers
 - (d) Printer and Scanner
- 1.4 What is the first step of the information processing cycle? Components of a systems unit:
- (a) Output
 - (b) Processing
 - (c) Input
 - (d) Storage
- 1.5 How are computers utilised in the education sector?
- (a) Only for entertainment purposes
 - (b) To teach computer programming only
 - (c) For research, online learning, and multimedia presentations
 - (d) Solely for administrative tasks
- 1.6 Which type of software manages the hardware components and provides a platform for running application software?
- (a) Application software
 - (b) System software
 - (c) Utility software
 - (d) Firmware

- 1.7. Which of the following is an example of volatile memory?
- (a) Hard Disk Drive (HDD)
 - (b) Solid State Drive (SSD)
 - (c) RAM
 - (d) Flash Drive
- 1.8. What is the function of the Northbridge and Southbridge chips on a motherboard?
- (a) To control the flow of data between the CPU and memory
 - (b) To manage communication between the CPU and peripherals
 - (c) To provide power to the motherboard components
 - (d) To connect the motherboard to external devices
- 1.9. What is the primary role of the system board, commonly known as the motherboard?
- (a) To process data
 - (b) To store data
 - (c) To manage the flow of data between components
 - (d) To display data on the screen
- 1.10. Which category of computers is typically used for hosting websites, managing databases, and providing network services?
- (a) Personal computers
 - (b) Mainframe computers
 - (c) Supercomputers
 - (d) Servers

QUESTION 2 - TRUE AND FALSE**(5 MARKS)**

- 2.1 Expansion slots on a motherboard allow for the connection of additional hardware components.
- 2.2 Computer-aided learning refers to the use of computers to enhance educational experiences and facilitate learning.
- 2.3 Supercomputers are typically used for everyday tasks such as web browsing and word processing.
- 2.4 Arithmetic logic refers to the branch of mathematics that deals with basic operations such as addition, subtraction, multiplication, and division.
- 2.5 Dedicated servers are computers designed to provide specific services, such as hosting websites or managing databases, for a single client or organization.

QUESTION 3 - FILL IN THE MISSING WORD/PHRASE**(5 MARKS)**

- 3.1 A is a personal computer designed for regular use at a single location, such as a home or office desk.
- 3.2 A is a system that uses computers and software to organize, analyze, and process data to generate meaningful information for decision-making.
- 3.3 are specialized computing devices designed to perform specific functions within larger systems or products.
- 3.4 are powerful computers used by large organizations to process large volumes of data and run critical applications.
- 3.5 The is the main circuit board in a computer that holds the CPU, RAM, and other essential components, providing connections for power and communication between them.

QUESTION 4 - LONG QUESTIONS**(30 MARKS)**

- 4.1 Name and explain the four elements required to obtain data from a computer. (8)
- 4.2 Name two areas where the medical field use computers in their day to day activities. (2)
- 4.3 What are some of the major electronic components of the System Unit. State at least 4. (4)
- 4.4 What is the function of the Arithmetic Unit in a computer? (2)

- 4.5 Briefly outline the machine cycle process. (10)
- 4.6 Explain the difference between computer literacy and computer fluency (4)

QUESTION 5**(50 MARKS)**

- 5.1 Briefly discuss the process of the Information Processing Cycle. Please also make use of a diagram to support your explanation of the process. (10)
- 5.2 People store their most sensitive and private information on computers, despite the fact that doing so increases the possibility that it will be seen by malicious organizations or hackers or unlawfully collected. Discuss about the three (3) benefits and the four (4) disadvantages of computers in modern life. (18)
- 5.3 Name two types of servers (2)
- 5.4 Explain the following terms: (10)
- (a) Registers
 - (b) Bus
 - (c) Bit
 - (d) Information
 - (e) Communication
- 5.5 Mention at least four (3) Characteristics of mobile devices and their functions. (6)
- 5.6 Mention 2 examples of portable phones. (2)
- 5.7 Name any game console of your choice. (2)

TOTAL: 100