



PAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMERCE, HUMAN SCIENCES AND EDUCATION

DEPARTMENT OF GOVERNANCE AND SCIENCES, HOSPITALITY, TECHNICAL AND VOCATIONAL
EDUCATION AND TRAINING

QUALIFICATION: BACHELOR OF BUSINESS AND INFORMATION ADMINISTRATION	
QUALIFICATION CODE: 07BBIA	LEVEL: 5
COURSE CODE: BIS521S	COURSE NAME: BUSINESS INFORMATION SYSTEMS 1B
SESSION: NOVEMBER 2025	PAPER: THEORETICAL PAPER
DURATION: 2 HOURS	MARKS: 100

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
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INSTRUCTIONS
<ol style="list-style-type: none">1. Answer all questions.2. Read questions carefully before answering.3. Make sure your name and surname, question number and the date appear on the answer script.4. Please ensure that your writing is legible, neat and presentable

PERMISSIBLE MATERIALS

1. Pen, pencil, ruler and eraser

THIS MEMORANDUM CONSISTS OF 5 PAGES (including this front page)

SECTION 1: SHORT QUESTIONS

[40 Marks]

QUESTION 1 - Multiple Choice

[10 Marks]

Identify the letter of the choice that best completes the statement or answers the question.

1.1 In Operating Systems, what does "Multitasking" refer to?

- (A) Running multiple operating systems on one computer
- (B) Running multiple programs simultaneously
- (C) Installing multiple applications
- (D) Switching between users on one machine

1.2 Which of the following is a Digital Storage Device?

- (A) RAM
- (B) Hard Drive
- (C) CPU
- (D) ROM

1.3 Which of the following is an example of an Input Device?

- (A) Monitor
- (B) Printer
- (C) Keyboard
- (D) Speaker

1.4 What is the primary function of an Output Device?

- (A) To process data
- (B) To store data
- (C) To display or communicate results to the user
- (D) To input data into the computer

1.5 What is the purpose of Encryption in Digital Security?

- (A) To prevent malware attacks
- (B) To convert data into a secure format
- (C) To store data
- (D) To detect security breaches

1.6 Which of the following storage technologies uses flash memory?

- (A) Hard Disk Drive (HDD)
- (B) Solid-State Drive (SSD)
- (C) CD-ROM
- (D) Magnetic Tape

- 1.7 Which of the following is not the function of the Operating System?
- (A) Process Management
 - (B) Memory Management
 - (C) Device Management
 - (D) Clock Management
- 1.8 Which Operating System is widely known for its open-source nature?
- (A) Windows
 - (B) macOS
 - (C) Linux
 - (D) iOS
- 1.9 Phishing attacks in Digital Security primarily aim to:
- (A) Damage hardware
 - (B) Steal sensitive information
 - (C) Slow down the computer
 - (D) Encrypt files for ransom
- 1.10 What does the term "booting" refer to in an Operating System?
- (A) Running a program
 - (B) Starting up the computer and loading the operating system
 - (C) Shutting down the system
 - (D) Installing an application

QUESTION 2 - True/False

[5 Marks]

Read the statements below and state whether they are true or false.

- 2.1 Operating systems are responsible for managing hardware and software resources on a computer.
- 2.2 RAM is a type of long-term digital storage used to save files permanently.
- 2.3 Encryption is a process used to protect data by converting it into a readable format for unauthorized users.
- 2.4 Cloud storage allows data to be stored locally on the user's device.
- 2.5 The file system in an operating system organizes and manages files stored on digital storage devices.

QUESTION 3 - Match the following**[10 Marks]**

Match each description from Colum A with the most suitable term in Colum B. Write down only the letter from Colum B next to the number in Colum A.

1. Firewall	A. A device used to output printed documents from a computer.
2. High Definition Multimedia Interface	B. Converts data into an unreadable format to prevent unauthorized access.
3. Printer	C. Internet messaging that supports voice conversations.
4. Touchscreen	D. A security method that requires two forms of verification before granting access.
5. Monitor	E. A device that acts as both an input and output, allowing users to interact directly with what is displayed.
6. Contrast ratio	F. cables are used for audio/video transmission
7. Microphone	G. A security system that filters incoming and outgoing network traffic to protect from unauthorized access.
8. USB Flash Drive	H. A portable storage device used to transfer and store data digitally.
9. VOIP	I. A device used to input sound into a computer.
10. Two Factor Authentication	J. An output device that visually displays information processed by the computer.

QUESTION 4 – Give one Word/ Phrase for the following:**[5 Marks]**

Read the statements below and insert the missing word/phrase.

- 4.1 _____ refers to the time it takes to turn a pixel on, from black to white, or off, from white to black. (1)
- 4.2 _____, a set of computer instructions that enable the user to interact with a computer, its hardware, or perform tasks. (1)
- 4.3 An _____ is a teaching tool that allows computer images to be displayed onto a board using a reflective device. (1)
- 4.4 A _____ a small lightweight, battery-powered printer that allows a mobile user to print from a laptop, smartphone, or other mobile device while travelling. (1)
- 4.5 A _____ is controlled by the hand, which senses motion. (1)

QUESTION 5 - Define The Following Terms

[10 Marks]

- 5.1 Ergonomic keyboard (2)
- 5.2 Brightness (2)
- 5.3 Instructions (2)
- 5.4 Resolution (2)
- 5.5 Hibernate (2)

SECTION B- Structured Questions

[60 Marks]

QUESTION 6

[30 Marks]

Answer each of the following questions.

- 6.1 Identify and describe three (3) types of digital storage media. (6)
- 6.2 Discuss the writing and reading processes of digital storage (4)
- 6.3 Name any two (2) Advantages and two (2) disadvantages of Solid State Drives (SSDs). (4)
- 6.4 Name and discuss five (5) offenders of cybercrime. (10)
- 6.5 Explain the difference between storage and memory in the information technology industry. (4)
- 6.6 Mention two types of storage devices (2)

QUESTION 7

[30 Marks]

Answer each of the following questions.

- 7.1 List any 4 modern-day biometric devices and give a practical example of where each device can be used. (8)
- 7.2 Briefly explain the role of a Task Manager in Operating Systems. (2)
- 7.3 Discuss three ethical and societal issues that organizations must consider when implementing business information systems. (6)
- 7.4 What is a firewall, and how does it contribute to Digital Security? (4)
- 7.5 Tell your fellow student how to protect his/her computer from Digital Security Risks. Any 5 tips (10)

TOTAL: 100 MARKS