



**NAMIBIA 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: BIS521S	COURSE NAME: BUSINESS INFORMATION SYSTEMS 1B
SESSION: DECEMBER 2025	PAPER: THEORETICAL PAPER
DURATION: 2 HOURS	MARKS: 100

SECOND OPPORTUNITY EXAMINATION QUESTION PAPER	
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INSTRUCTIONS
<ol style="list-style-type: none">1. You have to answer ALL the questions.2. Read questions carefully before answering.3. Please number your answers clearly.4. Make sure your student number appears on the answering script.

PERMISSIBLE MATERIALS

1. Pen, pencil, ruler and eraser

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

SECTION 1

QUESTION 1 - Multiple Choice

[10 Marks]

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

- 1.1 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
- 1.2 Which of the following is an example of volatile memory?
- (a) Hard Disk Drive
 - (b) RAM
 - (c) SSD
 - (d) Blu-ray Disc
- 1.3 A firewall in computer security is primarily used to:
- (a) Block spam emails
 - (b) Prevent unauthorized access to a network
 - (c) Store encrypted data
 - (d) Detect computer viruses
- 1.4 Which of the following is not an example of an input device?
- (a) Keyboard
 - (b) Mouse
 - (c) Monitor
 - (d) Microphone
- 1.5 A higher resolution in a printer means:
- (a) Larger paper sizes
 - (b) More dots per inch, producing sharper images
 - (c) Faster printing speed
 - (d) More ink cartridges required
- 1.6 Storage access time refers to:
- (a) The speed at which data is transmitted over a network
 - (b) The time it takes to retrieve data from storage
 - (c) The size of the storage device
 - (d) The speed of the CPU
- 1.7 Which printer type sprays tiny droplets of liquid ink directly onto paper?
- (a) Laser printer
 - (b) Thermal printer
 - (c) Inkjet printer
 - (d) Dot matrix printer

- 1.8 The main purpose of two-factor authentication is to:
(a) Increase internet speed
(b) Provide an extra layer of security for user accounts
(c) Reduce file sizes
(d) Improve data compression
- 1.9 Which of the following is an example of cloud storage?
(a) USB Flash Drive
(b) OneDrive
(c) External Hard Drive
(d) Blu-ray Disc
- 1.10 Which of the following is NOT an operating system?
(a) Linux
(b) Windows
(c) MacOS
(d) USB

QUESTION 2: True Or False

[10 Marks]

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

- 2.1 A standard keyboard typically has fewer keys than a compact keyboard.
- 2.2 Digital video is an output method that delivers video content on devices like monitors or projectors.
- 2.3 Cloud storage requires a physical medium to store data.
- 2.4 DVI is primarily used for transmitting high-definition video signals.
- 2.5 Enterprise storage refers to large-scale storage systems used by organizations.
- 2.6 Optical discs, such as CDs and DVDs, are slower than hard drives in data access time.
- 2.7 The main function of the operating system is to manage hardware and software resources.
- 2.8 A microphone is an output device.
- 2.9 Data stored in memory is volatile, meaning it is lost when the power is turned off.
- 2.10 Digital security helps protect against unauthorized access to computer systems.

QUESTION 3: Matching Word/Phrase**[10 Marks]**

Match the following concepts in Column A with the definitions in Column B. Write down the question number and then the correct letter from Column B that matches that of Column.

e.g. 3.1 C

COLUMN A	COLUMN B
3.1 Cyber-terrorist	a) Someone who illegally gains unauthorized access to other computers.
3.2 Co-ordinating tasks	b) Popular, multitasking based operating system that can run on different computers.
3.3 EB	c) Protection for your identity on the internet.
3.4 Hacker	d) Receiving data or instructions from input devices, sending information to output devices.
3.5 Optical disks	e) Uses existing and easy-to-find techniques and programs written by someone else to exploit or break into a computer system.
3.6 Cyber-extortionist	f) Is someone that uses the internet or large network to destroy or damage computers and / or information for political reasons, like targeting a telecommunication network of a country.
3.7 LINUX	g) External
3.8 Digital Security	h) Someone who demands payment to stop an attack on a company's IT structure.
3.9 Dot pitch	i) ExaByte
3.10 Script kiddie	j) An operating system that are found on mobile devices or computer electronics.
	k) A measurement that describes the sharpness of a screen display.

QUESTION 4: Structured Questions**[25 Marks]**

Answer each of the following questions.

4.1 Explain the terms Input, Data, Information and instructions in Information Systems. (8)

- 4.2 Compare the use of LED and LCD displays in business environments, focusing on image quality, power consumption, and durability (6)
- 4.3 List five (5) display quality aspects you should consider when selecting a display device. (5)
- 4.4 What are the 4 basic categories of output while working with a computer? Name and Discuss any three (3). (6)

QUESTION 5:

[20 Marks]

Answer each of the following questions.

- 5.1 Give five (5) characteristics of a mobile printer. (5)
- 5.2 Identify and describe three (3) types of digital storage media. (6)
- 5.3 In what ways can unethical practices in information technology negatively affect individuals and society? Discuss three specific ways in which such actions can cause harm to people. (6)
- 5.4 What is the difference between a standard keyboard and a compact keyboard. (2)
- 5.5 Give an example of one input device. (1)

QUESTION 6:

[25 Marks]

Answer each of the following questions.

- 6.1 Differentiate between application software and system software. Provide examples thereof. (6)
- 6.2 Clearly outline the difference in Storage and Memory in computer information systems. (4)
- 6.3 Explain enterprise storage and its importance for large organizations. (10)
- 6.4 Discuss the writing and reading processes of digital storage (4)
- 6.5 Name one example of a portable phone. (1)

TOTAL: 100 MARKS