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nAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMERCE, HUMAN SCIENCES AND EDUCATION

DEPARTMENT OF GOVERNNANCE 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: November 2023	**PAPER:** Theory (Paper 1)
DURATION: 2 Hours	**MARKS:** 100

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Ms Ester Vaino
MODERATOR:	Ms Petrina Witbeen

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

SECTION A   **[30 MARKS]**

QUESTION 1   **[10 MARKS]**

Please answer the following questions and indicate if it is **true or false**.

1.1   A mobile printer is a big heavy, battery-powered printer that allows a mobile user to print from a laptop, smartphone, or another mobile device while travelling.

1.2   A digital camera is a hardware device that takes pictures like a regular camera but stores the image as data instead of printing it to film.

1.3   A touchpad is a small, hard, square pointing device that's sensitive to pressure and motion.

1.4   Another name for a quick response code is a 2-D bar code.

1.5   Audio includes music, speech or any other sound.

1.6   Video input Is the process of capturing full-motion images and storing them on a computer or mobile device's storage medium.

1.7   With motion input, users can guide on-screen elements using ground gestures.

1.8   The Nintendo's Wii game is blue tooth enabled.

1.9   Cable-connected speakers are also considered as input peripheral devices of a computer system, as the input is sound or audio.

1.10   An interactive whiteboard is an instructional tool that allows computer images to be displayed onto a board using an image projector.

QUESTION 2   **[10 MARKS]**

Indicate and briefly explain the following abbreviations:

2.1   VOIP

2.2   NFC:

2.3   SSD:

2.4   CPU:

2.5   CCD:

2.6   GUI

2.7   DPI:

2.8   ROM:

2.9   PPM

2.10   MBps

QUESTION 3 (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 Mobile operating systems	a) Protects your computer or computer network from any unwanted intrusions in the form of cyber-criminals on the internet.
3.2 Co-ordinating tasks	b) Someone who illegally gains unauthorized access to other computers.
3.3 LINUX	c) Protection for your identity on the internet.
3.4 Hacker	d) Process where the storage device system combines more than one hard disk drive into one unit that acts like a single, large hard disk drive.
3.5 Digital Security	e) Receiving data or instructions from input devices, sending information to output devices.
3.6 Cyber-extortionist	f) External
3.7 Username	g) Popular, multitasking based operating system that can run on different computers.
3.8 RAID	h) Someone who demands payment to stop an attack on a company's IT structure.
3.9 Firewall	i) A combination of the alphabet letters or numbers.
3.10 Optical disks	j) An operating system that are found on mobile devices or computer electronics.
	k) Internal

QUESTION 4 - DEFINE THE FOLLOWING TERMS: **[10 MARKS]**

4.1.   Output

4.2   Graphics

4.3   Instructions

4.4   Input

4.5   Information

SECTION B

QUESTION 5 - STRUCTURED QUESTIONS   **[30 MARKS]**

5.1   Explain why you would need to set up a firewall on your computer.   (4)

5.2   Briefly discuss what an interactive whiteboard is and give a practical example of where it can
        be used.   (4)

5.3   State and explain four (4) methods of security theft.   (8)

5.4   List six (6) of the advantages of Solid-State Drives.   (6)

5.5   What exactly does access time measure?   (2)

5.6   Name and explain the different ways of shutting down your PC.   (6)

5.7   Identify and briefly explain the two (2) types of encryption methods in the information
        technology industry.   (4)

5.8   If more than one user connects to a printer, we call it a printer?   (1)

TOTAL: 100 Marks