∏AMIBIA U∏IVERSITY
OF SCIE∏CE A∏D TECH∏OLOGY

FACULTY OF COMMERCE, HUMAN SCIENCES & EDUCATION

DEPARTMENT OF GOVERNANCE & MANAGEMENT SCIENCES

QUALIFICATION: Bachelor of Business and Information Administration	
QUALIFICATION CODE: 07BBIA	**LEVEL:** 5
COURSE CODE: BIS521S	**COURSE NAME:** Business Information Systems 1B
SESSION: January 2023	**PAPER:** Theory
DURATION: 2 Hours	**MARKS:** 100

2nd OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Ms. S. Klaassen Ms. A. Schroeder
MODERATOR:	Dr. N. Angula

INSTRUCTIONS	
1.	Answer ALL the questions.
2.	Detach page 2 from your question paper and insert it in your answer script.
3.	Read questions carefully before answering.
4.	Please number your answers clearly.
5.	Make sure your student number appears on the answering script.

PERMISSIBLE MATERIALS

1. Pen, pencil, ruler and eraser

THIS QUESTION PAPER CONSISTS OF 8 PAGES (Including this front page)

QUESTION 1: MULTIPLE CHOICE QUESTIONS   [20]
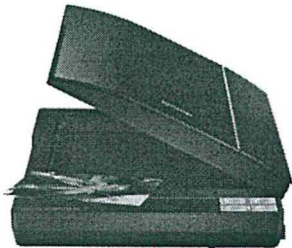
Choose the letter from the options that best completes the following sentences.
Use the answer sheet on page 2 and detach it from the question paper then insert in the examinations answer script.

1.1   Uses of voice input include:
        A. Internet messaging that supports voice conversations
        B. VOIP - enables users to make calls over the internet. To make a call, a telephone is connected to a network cable, rather than a phone line or a call is made over a computer. Skype is a popular example
        C. Video calls
        D. All the above

1.2   _____ cables are used for audio/video transmission.
        A. DVI
        B. HTTP
        C. HDMI
        D. DVD

1.3   _____ scanners identify a person by taking measurements of a person's _____ For example, the distance between the person's chin, eyes, nose, and mouth. What is the missing word?
        A. Hand
        B. Face
        C. Nose
        D. Mouth

1.4   Identify the equipment in the picture underneath.

        A. Barcode reader
        B. Flatbed scanner
        C. RFID reader
        D. None of the above

1.5   The most common method of entering text and numerical data into a computer system is using a _____.
        A. Plotter
        B. Printer
        C. Keyboard
        D. Scanner

1.6 _____ protects your computer or computer network from any unwanted intrusion in the form of cyber-criminals on the internet?
A. Hardware
B. Firewall
C. Home network
D. Software
E. Privacy

1.7 _____ is a type of malware that affects or infects a computer by altering the way the computer operates without the user's knowledge.
A. Worm
B. Trojan horse
C. Virus
D. Malware
E. Spyware

1.8 Ensures that a user's information is protected and only allowing only an authorised party to view it.
A. Malware
B. Output device
C. Storage device
D. Encryption
E. Software

1.9 _____ refers to the illegal distribution of software or illegal use of software if the software is protected by copyright.
A. Information piracy
B. Privacy laws
C. Software piracy
D. Intellectual property rights
E. Digital certificate

1.10 Banks have introduced a two-step verification process to protect the financial information of their clients. An OTP is sent to the user's mobile device. What does OTP stand for?
A. Over Time Pin
B. Open Token Pin
C. One Time Pin
D. Over Time Password
E. One Time Password

1.11 The main memory of the computer is called _____
A. RAM
B. ROM
C. Virtual memory
D. GUI

1.12 _____ is an example of cloud storage.
A. Micro Soft Word
B. Virtual Storage
C. Google Drive
D. Solid State Drive

1.13   Before you can install any other software, you need _____
        A. A network
        B. Memory
        C. DVD's
        D. Operating System

1.14   The part of the hard disk where information is stored or retrieved is called a _____
        A. Platter
        B. Track
        C. Cluster
        D. Head

1.15   _____ are a small text file that a web server stores on your computer. It contains data about you like
        your username, postal code, and viewing preferences.
        A. Spyware
        B. Cookies
        C. Adware
        D. Phishing

1.16   The speed of storage devices and memory is defined by access time. Access time measures ____
        A. The length of a movie
        B. The speed of a game
        C. The amount of time it takes to locate an item on a storage device
        D. How fast the network is

1.17   Storage devices store information _____.
        A. Permanently
        B. While the computer is on
        C. When it is formatted
        D. In different compartments

1.18   What device is shown in the picture?
        A. 3-D printer
        B. Touch Screen
        C. Data printer
        D. Plotter

1.19   All university students should guard against the practice of taking someone else's work or ideas
        and passing them off as their own, as it refers to _____.
        A. Cyber-crime
        B. Encryption
        C. Plagiarism
        D. Protection

1.20.   This memory is extra memory and it's a small section of a hard disk space that is set up to imitate the
        computer's RAM.
        A. Virtual memory
        B. Cache memory
        C. Permanent memory
        D. Volatile memory

QUESTION 2: SHORT ANSWER QUESTIONS 10 x 2 **(20)**

Insert the correct term/phrase in the open space provided.

2.1 _____ is a general term used to describe the pain felt in muscles, nerves and tendons caused by repetitive movement and overuse.

2.2 _____ are commands that the user gives to the computer by means of using an input device.

2.3 _____ refers to a set of programmes that coordinate all the activities among the computer hardware devices and software programmes on a computer.

2.4 _____ devices read text printed with magnetised ink and converts characters into a form that the computer can process.

2.5 _____ refers to the time it takes to display an image or video on the screen.

2.6 _____ is an instructional tool that allows computer images to be displayed onto a board using a data projector.

2.7 _____ are available in black-and-white or colour and are more expensive than inkjet printers but print at a faster speed than ink-jet printers.

2.8 _____reads hand-drawn marks such as small circles or rectangles on paper or electronically.

2.9 _____ is small metal or plastic device that looks like a tiny pen but uses pressure instead of ink.

2.10 _____ is a flatbed scanner that is composed of a glass pane under which there is a bright light which illuminates the pane, and a moving optical array in CCD scanning.

QUESTION 3: STRUCTURED QUESTIONS [12]

3.1 John bought himself a computer recently and has come to you for advice on which keyboard is the best option between an "ergonomic keyboard" and a "gaming keyboard". **(6)**

3.2 Mention the three (3) basic types of wireless connection available to uses. **(6)**
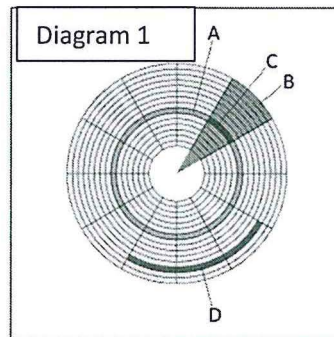
QUESTION 4: STRUCTURED QUESTIONS [12]

4.1 Name and explain between the "audio" and "video" basic two (2) different types of output. **(4)**

4.2 Discuss four (4) characteristics of a mobile printer. **(8)**

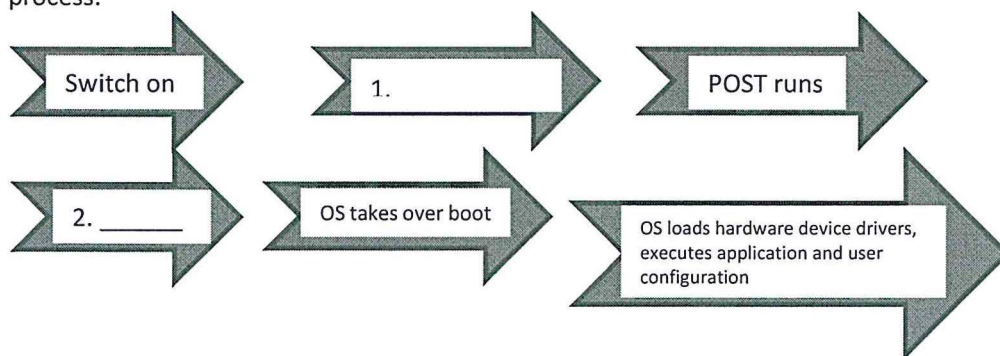**QUESTION 5: STRUCTURED QUESTIONS** [12]

5.1 Hard drives can be internal or external to the computer device. Discuss four (4) advantages of external hard drives for users. **(8)**

5.2 Correctly label diagram 1 from A, B, C and D. **(4)**

Diagram 1

QUESTION 6: STRUCTURED QUESTIONS [12]

6.1 Define what an "operating system" is and list the types of operating systems and give an example of each type of operating system. **(4)**

6.2 Name and explain three (3) different ways of shutting down your PC. **(6)**

6.3 Complete the illustration by filling in the missing information at 1 and 2 to identify the boot process. **(2)**

Switch on → 1. → POST runs

2. _____ → OS takes over boot → OS loads hardware device drivers, executes application and user configuration

QUESTION 7: STRUCTURED QUESTIONS [12]

7.1 Name and discuss any five (5) offenders of cybercrime. (10)

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

Detach page 2 from your question paper and insert it in your answer script.

STUDENT NO:_____ SURNAME & INITIALS: _____

| GROUP: Full-time | GROUP: Distance |

QUESTION 1: MULTIPLE CHOICE QUESTIONS ANSWER SHEET **[20]**

Choose the letter from the options that best completes the following sentences by inserting a cross at the correct letter.

1.1	A	B	C	D	E
1.2	A	B	C	D	E
1.3	A	B	C	D	E
1.4	A	B	C	D	E
1.5	A	B	C	D	E
1.6	A	B	C	D	E
1.7	A	B	C	D	E
1.8	A	B	C	D	E
1.9	A	B	C	D	E
1.10	A	B	C	D	E
1.11	A	B	C	D	E
1.12	A	B	C	D	E
1.13	A	B	C	D	E
1.14	A	B	C	D	E
1.15	A	B	C	D	E
1.16	A	B	C	D	E
1.17	A	B	C	D	E
1.18	A	B	C	D	E
1.19	A	B	C	D	E
1.20	A	B	C	D	E