namibia university
OF SCIENCE AND TECHNOLOGY

FACULTY OF COMEMRCE, HUMAN SICENCES 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: January 2024	**PAPER:** Theory (Paper 2)
DURATION: 2 HOURS	**MARKS:** 100

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 6 PAGES (Including this front page)

QUESTION 1 - MULTIPLE CHOICE **[10 Marks]**

1.1 Which one is the collection of…………………….instructions that enable the user to interact with a computer, its hardware, or perform tasks is called?

   a) Information
   b) Data
   c) Instructions
   d) Software

1.2 This layout was created to reduce finger movement when typing and to produce faster typing speeds.

   a) Azerty
   b) Dvorak
   c) Qwerty
   d) Barack

1.3 What type of device is a microphone?

   a) Input device
   b) Output device
   c) Storage device
   d) Communication device

1.4 What type of device is this?

   a) Output device
   b) Input device
   c) Communication device
   d) Storage device

1.5 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 of the above.
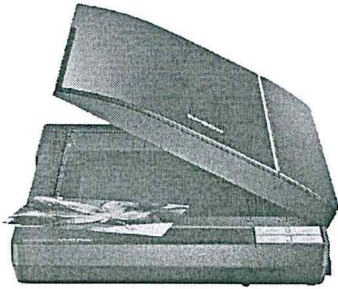
1.6 ………………………………… cables are used for audio/video transmission.

   a) DVI
   b) HTTP
   c) HDMI

d) DVD

1.7 .... 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

1.8 This is called a?

a) Barcode reader
b) Flatbed scanner
c) RFID reader
d) None of the above

1.9 The most common method of entering text and numerical data into a computer system is through the use of a _____.
a) Plotter
b) Printer
c) Keyboard
d) Scanner

1.10 Which type of device is touch screen technology used on?
a) Tablet computers
b) Smartphones
c) Newer model laptop and desktop computers
d) All of the above

QUESTION 2 – Give one Word/ Phrase for the following: **[10 MARKS]**

2.1   _____ refers to the time it takes to turn a pixel on, from black to white, or off, from white to black.

2.2   _____ consists of data as computer instructions that enable the user to interact with a computer, its hardware, or perform tasks.

2.3   An _____ is a teaching tool that allows computer images to be displayed onto a board using a reflective device.

2.4   A _____ is a small, flat, rectangular pointing device that is sensitive to pressure and motion.

2.5   A _____ is a small lightweight, battery-powered printer that allows a mobile user to print from a laptop, smartphone, or other mobile device while travelling.

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

2.7   A _____ is controlled by the hand, which senses motion.

2.8   Another name for a quick response code is a _____.

2.9   _____ is the first operation in the operating system function process.

2.10   _____ is the process of transferring the information from the storage device into the memory of the computer.

QUESTION 4 -   **[20 MARKS]**

Provide explanations for the following terms and describe one advantage of each term.

4.1   **Ergonomic keyboard**: Its design reduces the chance of repetitive strain injuries of the wrist and hand. The goal of ergonomics is to incorporate comfort, efficiency, and safety in the design of the workplace.

4.2   **Brightness**: This is measured in nits, which is the intensity of the light on the screen. A nit unit of light intensity is equal to one candela per square meter. Adequate brightness is essential to ensure that the content on the screen is visible and readable, especially on a computer.

4.3   **Instructions**: are commands that the user gives to the computer by means of using an input device. The user can give the computer instructions for different functions like to open, save print or delete.

4.4   **Resolution**: Screen resolution refers to how clearly text and images are displayed on your screen. It indicates the number of pixels displayed horizontally and vertically on the screen.

4.5   **Hibernate**: This option was designed for laptops and might not be available for all PC's. It uses less power than sleep mode and when you start up the PC again, you're back where you left off.

QUESTION 5   **[30 Marks]**

5.1   **List** any 2 modern-day biometric devices and give a practical example of where each device could be used.   (4)

5.2   **Explain** the Input Process Diagram using a practical example.   (5)

5.3.   **Differentiate** between the personal printer and network printer.   (4)

5.5   **Define** the following terms: Resolution and Dot Pitch.   (4)

5.6   **Differentiate** between storage and memory in the information technology industry.   (4)

5.7   **List** the many types of storage devices and indicate whether they are internal or external.   (8)

5.8   **Give** another name for all-in-one printer?   (1)

TOTAL: 100 MARKS