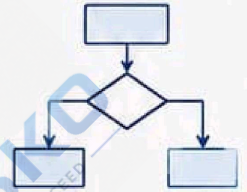
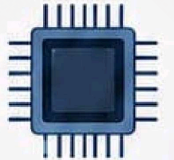
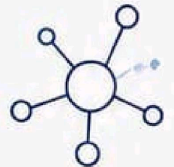


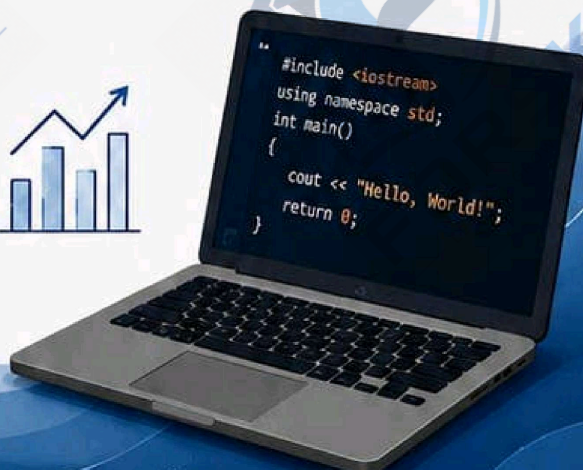
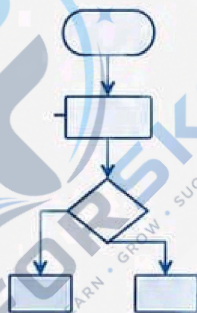
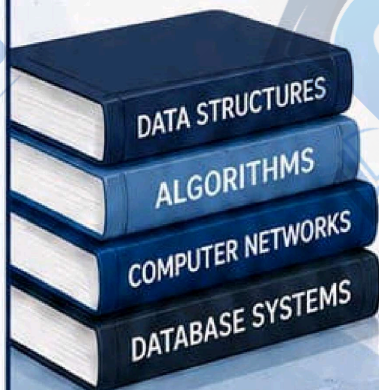
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Unit - III



Input Output Devices.

A) Fill in the Blanks:

1. A keyboard is an example of an input device.
2. A printer is an example of an output device.
3. The mouse is used to select items on the screen.
4. A monitor displays information, making it an output device.
5. A printer is an output device that produces hard copy of digital document.
6. The two main types of printers are impact and non-impact printers.
7. A Laser printer uses toner and heat to fuse the toner onto the paper.
8. The speed of printer is measured in page per minute (PPM).
9. A duplex printer can print on both sides of the paper automatically.

Unit -III Input/Output Devices

10. A dot matrix printer uses impact to transfer ink from a ribbon onto paper, often used for receipts.
11. The printer resolution is measured in dot per inch (DPI).
12. Modem is stand for modulator-demodulator.

B) Short Type:

1. What is Modem?

Ans:- Modem stands for modulator and demodulator. It is a network device between the computer system and the telephone line.

2. What are the types of printers?

Ans:- There are two main types of printers
1. Impact printer 2. Non-Impact

Types of Impact printer

1. Dot Matrix Printer
2. Line Printer
3. Daisy Wheel Printer

Types of Non-Impact Printer

1. Laser Printer
2. Inkjet printer

3.

Ans:-

What are the types of monitor?
Monitors having following types.

1. CRT Monitor
2. LCD Monitor
3. LED Monitor
4. Plasma Monitor.

4.

Ans:-

What are the types of Mouse?
Mouse having following types:

1. Track ball Mouse
2. Mechanical Mouse
3. Optical Mouse
4. Cordless or wireless Mouse

5.

Ans:-

What is Impact printer?
Impact printer utilize an electromechanical component that impacts on the paper to print letters on the paper sheet.

c) Long Type

Q1. Explain types of input devices.

Ans:- Types of input devices.

1. Keyboard:-

The keyboard is the most popular input device. It is used to input lot of data into computer. It has different sets of keys for letters, numbers, characters and functions.

2. Mouse:-

The mouse is the pointing input device which is used to select the object ^{Items} on the monitor. It has two buttons on left and right side and the roller in middle of these two buttons.

3. Scanner:-

It is an input device which is used to convert hard copies into digital form. It scan the photos, documents and convert it into digital copies.

4. Joystick:-

A joystick is also a pointing device it is like a mouse. It is made up of a stick with a spherical base. The base is fitted in a socket that allows free movement of the stick. The movement of the stick control the cursor or pointer on the screen.

5. Microphones:-

The microphone is a computer input device that is used to input the sound. It receives the sound vibrations and convert it into audio signals or sends to the recording medium. The audio signal converted into digital data and stored into the computer.

✓2. Explain types of output devices.

Ans:- Types of output devices.

1. Monitor:-

A monitor is an electronic output device that is also known as a video display unit (VDU). It is used to display images, text, videos, and graphics information generated by the connected computer.

2. Printer:-

A computer printer is a hardware output device that is used to generate copy or print any document. A document be of any type such as text file, images, or combination of both. It accept input from users on a computer or on other devices to print document.

3. Speaker :-

Speakers are output device that produce sound and audio from the computer.

4. Headphones :-

Headphones are a type of output device that produce sound and audio for individual listening.

5. Projector :-

A projector is a output device that displays videos, images content into a large screen.

Q3. Explain the types of monitor.

They are serve several types of monitor-

1) CRT Monitor - (Cathod Ray Tube)

1) A CRT monitor is an older display technology commonly used in TVs and computer monitors before the rise of LCD, LED, and OLED screen.

2) CRT monitors were widely used from the mid-20th century until the early 2000s.

3) ~~It operates~~ CRT monitors have been largely phased out, but enthusiasts for retro gaming and vintage computing.

2) LED Monitor -

1) LED stands for light emitting diode.

2) This type of monitor is modern display technology commonly used in TVs, computer screens and other display.

3) The LED monitor has many LED panel's and each panel has several LEDs to backlight the display.

LCD Monitor:-

1. The LCD Monitor is a flat panel screen that is compact and light-weight as compared to CRT monitors.
2. It is based on liquid crystal display technology which is used in the screen of TV, Laptops, tablets, smart phone etc.
3. An LCD screen comprises two layers of polarized glass with a liquid crystal solution between them.
4. When the light passes through the first layer, an electric current aligns the light liquid crystals.
5. The align liquid crystals allows a varying level of light to pass through the second layer to create images on the screen.

✓4.
Ans:-

Explain difference between LCD and LED.
Liquid Crystal Display (LCD) Light Emitting Diode (LED)

1. Its full form is liquid crystal display

1. Its full form is light emitting diode.

2. LCD is slower than LED in terms of response time.

2. LED is faster than LCD in term of response time.

3. LCD also delivered the good picture quality but less than LED

3. LED delivered good pictures quality in comparison to the LCD

4. It has low price as compare to LED

4. It has high price as compare to LCD.

5. LCD delivers ~~better~~ good picture ~~or~~ colour accuracy but less than LED.

5. LED delivers better colour accuracy in comparision to the LCD

6. Its consume more energy than LED

6. Its consume low energy as compare to LCD.

✓ 5. What is modem. Explain the types of modems.

Ans:-

Modem stands for modulator and demodulator. It is a network device between the computer system and the telephone line.

Types of modem-

1. External modem.

The external modem we use is the external part of the computer system that we connect to the computer externally through an available communication port, such as COM and COM2, using a wire or cable.

The external modems are portable, which we can easily carry the modem from one place to another.

An external modem is expensive. The modem speed or the data transmission speed of external modem is high compared to the internal modem.

2. Internal Modem-

An internal modem is a circuit board commonly installed in the expansion slots inside the computer's system unit. After the installation we connect this internal modem through telephone line.

Internal modem are not portable so we cannot carry or transfer them from one computer to another. Internal modem is less expensive compare to external modem.

The drawback of internal modem is that internal modem data transmission speed is slower than the external modem.

3. Wireless Modem-

Wireless modem transmits the data signals through the air, which means that no kind of physical media is involved in this kind of modem to transmits the signals.

Wireless modem are also known as radio frequency modem because the data which they transmit are in form of radio waves.

Wireless modem are used with laptops and desk top computer for connect wirelessly to available network.

8. Explain the difference between impact and non-impact computer printer.

Ans:- Impact Printer Non-impact Printer:

1. These printers create figure and images by striking an inked ribbon with a device that includes a wheel or a print hammer.

2. It utilizes old technology.

3. These printers are less costly.

4. These printer produce high level noise as they have various moving parts.

5. Its print quality is low.

6. eg:-
Daisy-wheel
Dot-matrix and
line printer.

1. The printer produce figures and images with no connection between the paper and the printing device.

2. It utilizes the latest technology.

3. These printers are costly.

4. These printer have a low level noise.

5. Its print quality is high.

6. eg:-
Inkjet printer
and Laser printer.

7. What is input device? Explain any two input devices?

Ans:-

Input Device :-

The device which give instructions or command to the computer that device is called input devices.

A) Keyboard :-

A keyboard is most popular input device, it is used to enter, text data, commands to the computer.

It has different sets of keys to for letters, numbers, characters, and functions.

Keyboard are connected to the computer through USB cable or blue bluetooth device for wireless communication.

Types of keys on keyboard :-

i) Typing keys :-

These includes the alphabet and digit keys.

ii) Numeric Keys :-

It is used to enter numeric data and consists of 17 keys.

iii) Function keys :-

These are a set of 12 keys. Each key has a specific function to perform.

iv) Control Keys:-

These are meant for cursor and screen control, Broadly, control keys include the Arrow keys, Home, Insert, Delete, Page UP, Page Down, Control Alternate and Escape keys.

v) Special Purpose Keys:-

These keys include Enter, shift, NumLock, Space Bar, Tab and Print Screen with a particular function

B) Joystick:-

A joystick is also a pointing input device like a mouse. It is made up of stick with a spherical base.

The base is fitted in a socket that allows free movement of the stick.

The movement of stick controls the cursor or pointer on the screen.

8. What is output device? Explain any two output devices.

Ans:- The devices which gives information or show some message to user that devices are called output device.

1. Monitor:-

A monitor is a common output device that displays visual information from a computer. It shows text, images and videos, allowing users to interact with the computer. Monitor comes in various types of like such as LED, LCD, and OLED.

1. LED:-

LED stands for Light Emitting Diode. It's improved version of an LCD monitor. It is expensive then LCD.

2. LCD:-

LCD stands for Liquid Crystal Display. LCD monitors used a layer of liquid crystals to block or allow light to pass through a matrix of pixels.

2. Printer:-

A printer is a device that prints data or computer outputs onto paper. Printers are split into two types based on technology used: impact and non-impact printer.

Impact printer produce images using an electromechanical impact machine.

Non-impact printers do not employ a mechanical impact device.

Q. What is an output device? Explain impact printers with its mechanism.

Ans:

The device which gives information or show some message to user that device is called as output device.

1. Impact printer utilize an electro-mechanical component that impacts on the paper to print the letters on the paper sheet.
2. The mechanism employed in these printers is referred to an electro-mechanical mechanism.
3. Impact printer use hammering techniques to printer print the letter on paper.
4. It operates at a slower speed than non-impact printers because of the use of a mechanical component.

✓10. Explain advantages and disadvantages of impact printer.

Ans:-

Advantages of impact printer-

1. Impact printer is less expensive as compared to other printer.
2. It has ability to print carbon copies of a particular print out.
3. It prints more than one copy of same document at a time or on single command.
4. It's printing cost is lowest than the other printers.
5. Its maintenance cost is less expensive than the other printer.

Disadvantages of impact printer-

1. The speed of impact printer is slow as compared to non-impact printer.
2. Its output is also not of high resolution.
3. It create ~~nos~~ noise when printing document.
4. It may be a time-consuming printer as it required a single paper to wound up and ~~all~~ aligned manually.