Specifications of the computer

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NEW WORDS:-

- **Specifications:** an act of identifying something precisely or of stating a precise requirement

- **Offers:** present or proffer something for someone to accept or reject as desired

- **Desktop:** the working surface of a desk

- **Wondered:** used to express a polite question or request

- **Characteristic:** typical of a particular person, place, or thing
- **Determined:** having made a firm decision and being resolved not to change it
- **Various:** different from one another or different kinds or sorts
- **Addition:** the action or process of adding something to something else
- **Monitor:** a device used for observing, checking, or keeping a continuous record of something

OBJ:-

Q1: Distinguish the deference between memory and storage

- **Storage:** Storage relies on hardware components, collectively called storage devices, such as hard disks, flash memory, USB drives, CDs, and DVDs

- **Memory:** the place where you temporarily put things that you are using or working on

Q2: explain the types of keyboard and the purpose of special keys

- **1. Multimedia Keyboard**
- The keyboard that has all multimedia buttons is called multimedia keyboard. The buttons include play, pause, previous, next, volume up, volume down, mute and special button to launch media

- **2. Mechanical Keyboard**

- The primitive keyboard which uses physical buttons for each key is called a mechanical keyboard. It makes noise when each key is pressed. A button is pushed down and an electrical signal is sent to the computer device which then shows the characters

- **3. Wireless Keyboard**

- Bluetooth, IR technology or Radio Frequency is used to connect the keyboard with the computer device. We can port the keyboard and the parent system is not needed near the keyboard. These keyboards are lightweight and smaller in size

- **4. Virtual Keyboard**

- The keyboard used in smartphones is called a virtual keyboard. This keyboard appears when needed and disappears when typing is completed. This can be automatically set as per need

- **5. USB Keyboard**

- Universal Serial Bus Keyboard has a USB stick with a wire which has to be inserted into the USB port of the system. And then the keyboard works well. While rebooting the system, the keyboard is not supported and hence the users may face an issue
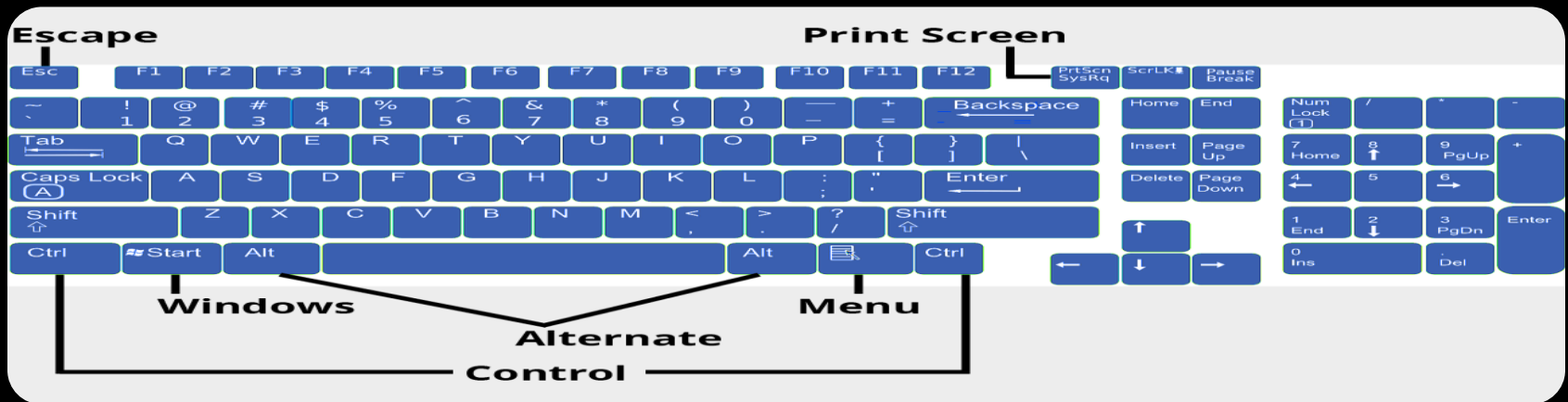
- **6. Ergonomic Keyboard**

- This keyboard is mainly designed for users who use both hands for typing. The advantage of this keyboard is less muscle strain and carpal tunnel syndrome for users

The purpose of special keys

- a computer keyboard has several special keys that facilitate scrolling and cursor movement and thus increase productivity To reposition the cursor

Q3: what is the monitor? and list the characteristics and types

- Monitors are screens that display data and processed information called outputs There are two types of monitors:

- the CRT monitors are usually connected to older desktop computers

- LCD monitors like those that accompany new desktops and all-in-one units, and are incorporated into notebooks, handheld computers, and smartphones

Q4: identify the types of printers and explain their advantages and disadvantages

- Inkjet printers: are relatively inexpensive nonimpact printers that produce excellent color output, A typical inkjet printer provides a resolution of 300 dots per inch

- Laser printers: is a high resolution nonimpact printer that uses an electrostatic reproductive technology Under the printer's computerized control, a laser beam creates electrical charges on a rotating print drum. These charges attract toner, which is transferred to the paper and fused to its surface by a heat process

- **Dot matrix printers:** were once the most popular type of printer but are declining in use. Such printers create characters by striking pins against an ink ribbon. Each pin makes a dot, and combinations of dots form characters and illustrations, Although they are capable of printing 3,000 lines per minute, their print quality is lower than other printers and they are noisy

- Thermal transfer printer use a heat process to transfer an impression onto paper. There are two types of thermal printers. Thermal-wax transfer printers adhere a wax-based ink onto paper dye sublimation printers. These printers are slow and expensive, but they produce results that are difficult to distinguish from high-quality color photographs

- **Photo printer:** are either inkjet or laser printers and use special inks and good-quality photo paper to produce pictures that are as good as those generated by commercial photo processors. Many allow you to bypass your computer to print directly from a digital camera or memory card

- **Plotter:** is a printer that produces high-quality images by physically moving ink pens over the surface of the paper. A continuous-curve plotter draws maps from stored data Computer generated maps, such as those used by cartographers and weather analysts

Q5: discuss storage media and their categories

- In computers a storage medium is any technology including devices and materials used to place, keep and retrieve electronic data. It refers to a physical device or component in a computing system that receives and retains information relating to applications and users

- Media used in computer storage receive messages in the form of data, via software commands from the computer system. The commands determine the type of storage media needed to hold the data, based on its business value, compliance implications or other factors

Q6: define how the data stores

- A data store is a **repository for persistently storing and managing collections of data** which include not just repositories like databases, but also simpler store types such as simple files, emails etc. A database is a series of bytes that is managed by a database management system

  www.wikipedia.com

Q7: identify the pointing devices

- is a hardware input device that allows the user to move the mouse cursor in a computer program or GUI operating system. Using a pointing device, you can point at or manipulate any object or text on the screen. For example, using a pointing device you could point at and select an icon from a list of icons.

www.wikipedia.com

Q8: list inputs devices

- Mouse
- Keyboard
- Graphics Keyboard tablet
- Microphone
- Webcam
- Touch screen
- Biometric device

- Magnetic stripe reader

- Touch-sensitive pad

- Magnetic ink character recognition

Reference

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