Computer Studies

2020 -2021

Chapter No 1

Question: Discuss the use of computer in any two fields of life.

Answer:

Role of Computer our daily life:

The role of computer in our lives is increasing day by day. We are living today in the information era and the information has become one of the most valuable assets. To process this information, we make use of computers in various fields in our daily life. Computers have been integrated in our life in different shapes and sizes like desktops, laptops, mobile phones, gaming consoles and smart devices. Our lives have become so dependent of computers that we cannot work even a single day without the help of it.

Use of Computer in Robotics:

Robots are the machines that can be controlled by a computer and are capable of carrying out a complex series of actions automatically. Robots can be controlled by an external control device or through programming. Robots are commonly used in manufacturing, industry, science, medicine and education.

Use of Computer in Virtual Reality:

Virtual Reality is an artificial environment that is created with software and presented to the user in a way that the user feels it as a real environment. Virtual reality can be used for the simulation of a real environment for training and education.

Question: List any five components present on motherboard.
Answer:

Motherboard:

The motherboard is the main circuit board of your computer and is also known as the mainboard or logic board. If you ever open your computer, the biggest piece of silicon you see is the motherboard.

Component of motherboard:

- **RAM slots:** Random-Access Memory (RAM) stores programs and data currently being used by the CPU.
- **Power supply plug in:** The Power supply, as its name implies, provides the necessary electrical power to make the pc operate.
- **CPU Chip:** The *central processing unit,* also called the *microprocessor* performs all the calculations that take place inside a pc.
- **USB (Universal serial bus):** USB is the General-purpose connection for PC.
- **Parallel port:** Parallel port carry data on more than one wire, as opposed to the serial port, which uses only one wire.
- **Floppy controller:** A *floppy controller* is one that is used to control the floppy drive.
- **PCI slot:** Intel introduced the *Peripheral component interconnect* bus protocol. The PCI bus is used to connect I/O devices.
- **CMOS Battery:** To provide CMOS with the power when the computer is turned off all motherboards comes with a battery