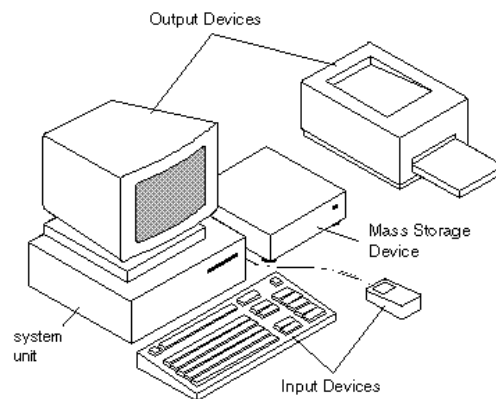


Questions:

1. **What is computer?***
2. **Write down the use of computer.****
3. **Write the importance and limitation of a computer.*****
4. **Write down some characteristics of a computer.****
5. **Distinguish between analog computer and digital computer. *****

- **What is computer? Write down the use of computer.**

Computer is an electronic machine that stores, retrieves and processes data. A typical computer system consists of a central processing unit (CPU), input devices, storage devices, and output devices.



Use of Computer

Modern computers have a myriad of applications in fields particularly such as, Communication, Science and Research, Industry, Government, Education, Arts and Entertainment etc. Uses of computer are given below:

Communication

Computers make all modern communications possible. They operate telephone switching systems, coordinate satellite launches and operations, help generate special effects for movies, and control the equipment in television and radio broadcasts. Local area networks link the computers in separate departments of businesses or universities, and the Internet links computers all over the world.

Science and Research

Scientists and researchers use computers in many ways to collect, store, manipulate, and analyze data.

Industry

Computers have opened a new era in manufacturing and consumer-product development. In factories, computer-assisted manufacturing (CAM) programs help people plan complex production schedules, keep track of inventories and accounts, run automated assembly lines, and control robots.

Government

Government agencies are the largest users of mainframes and supercomputers. Computers are essential for compiling census data, handling tax records, maintaining criminal records, and other administrative tasks. Governments also use supercomputers for weather research, interpreting satellite data, weapons development etc.

Education

[Lecture 1: Introduction to Computer] BBA First semester

Computers have proved to be valuable educational tools. Computer-assisted instruction (CAI) uses computerized lessons. Now a day’s computer is used in medical schools and military training centers, where the topics are complex and the cost of human teachers is extremely high. Educational aids, such as encyclopedias and other reference works, what we read for computer.

Arts and Entertainment

Video games are one of the most popular PC applications. The constantly improving graphics and sound capabilities of PCs have made them popular tools for artists and musicians. PCs can display millions of colors, produce images far clearer than those of a television set.

- **Write the importance and limitation of a computer. Or Write down some characteristics of a computer.**

The following are some important criteria, which may be used to justify the use of computers:

Volume of data: The computer is suited to handle large volume of data.

Accuracy : Computer ensures high degree of accuracy and their consistency is reliable.

Retentiveness : Computer can save lot of information and data.

Complexity : Computers perform complex calculations. A computer provides the required answer after running the programs of complex calculation.

Speed : Computer works at very high speed.

Limitation: Besides the advantage of using a computer, there are a few limitation of it. These are:

- Computer cannot think.
- Computer cannot do anything without human instruction.
- Computer cannot make any adjustment as human being can do.

- **Distinguish between analog computer and digital computer.**

Distinguish between analog computer and digital computers are given below:

Analog computer	Digital computer
The computer which receives data and output result in analog signal is called analog computer.	The computer which receives data and output result in digital signal is called analog computer.
An analog computer represents quantities by physical analogies.	A digital computer represents instruction by digital logic.
It represents distance, velocity, acceleration by mechanical or electrical parameters.	It represents in digits.
A speedometer of a motor car is an example of analog computer.	All computers are the example of digital computer.

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