

Information and Communication Technology



Grade 6

Importance of Computers



01

Importance of Computers



What is a computer?

A computer is a programmable electronic device that accepts raw data as input and processes it with a set of instructions (a program) to produce the result as output.



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Functions of a Computer



The basic functions of a computer are entering data, processing them and producing processed data (information)

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Significant Features of a Computer



Speed and Efficiency

Reliability

Intelligence

Accuracy

Consistency

Storage Capacity

Cost



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Devices with embedded computers



- Devices with computers to perform a specific task are called embedded devices.

Washing Machines

Modern Televisions

Mobile Phones

Automobiles



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Components of a Computer



A computer is a unit which consists of many parts.

Input Devices

Output Devices

Storage Devices

Central Processing Unit

Communication Devices

Main Memory



Input Devices

Devices used to send data to a computer system are input devices



Mouse



Keyboard



Microphone



Web Camera



Barcode Reader



Scanner





Output Devices

These devices are used to provide the processed information and signals from the computer to the user



Computer Monitor



Printer



Speaker



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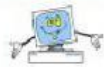


Storage Devices

These are used for storing data /information permanently.



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Central Processing Unit (CPU)

Controlling the computer and processing data according to the given instructions are done by the Central Processing Unit.



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Communication Devices

The devices which are used to exchange the processed data and information are called communication devices.



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Main Memory

The device which is used to store data, information and instructions temporarily is identified as the main memory or the primary memory. It is also called the Random Access Memory (RAM).



Evaluation

Activity 01

1. complete the following diagram which shows basic functions of computer.



A -

B -

C -

Input

Output

Process

Activity 02

Write three examples for input devices

-
-
-

Printer

Mouse

CD

Speaker

Write three examples for output devices.

-
-
-

Keyboard

Monitor

Scanner

Activity 03

Name the devices shown below.



Speaker

Keyboard

Mouse

Micro phone

Monitor

Printer

CPU

A B
C D
E F
G