

NAME _____ CLASS III SEC _____ DATE -29.05.2020

In this document we will cover the following topics ;

- Computer System and its working
- Hardware and Software

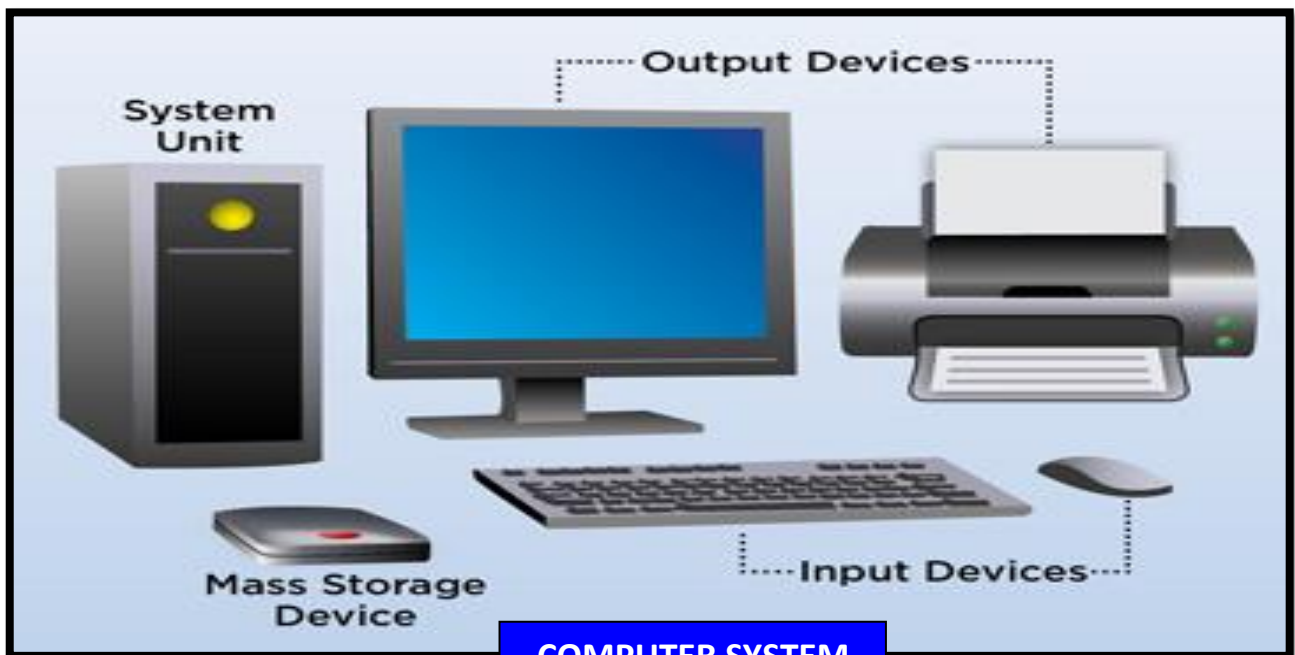
Computer System

Computer system is made up of two words, **Computer & System**.

The term **Computer** was derived from the word 'compute' which means **to calculate**.

The term **system** means a combination of components that work together for a common task.

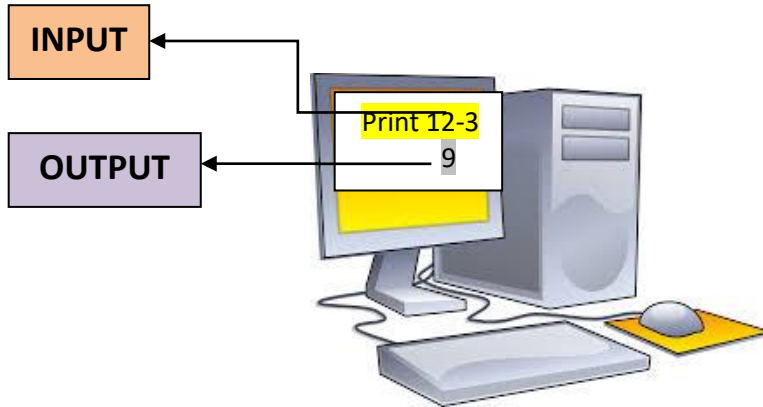
So we can say that a **Computer system** is a combination of **Hardware and Software** which work together to perform a task.

**Let's Revise****Fill in the blanks:**

- A computer system is a combination of _____ & _____.
- The term computer was derived from the word _____.

What is a Computer?

A Computer is a machine which takes **input** from the user, **processes** it and gives the **output or result** (information) with accuracy.



Computer Terms

- **User**- The person who uses the computer.
- **Hardware** – The physical parts of computer that can be touched and felt. For example- Monitor, Mouse, Printer.
- **Software** – It is a set of instructions given to a computer. For example - Windows, MS Word.

Hardware



Software



Let's Revise

Identify the following as Hardware or Software:



1



2



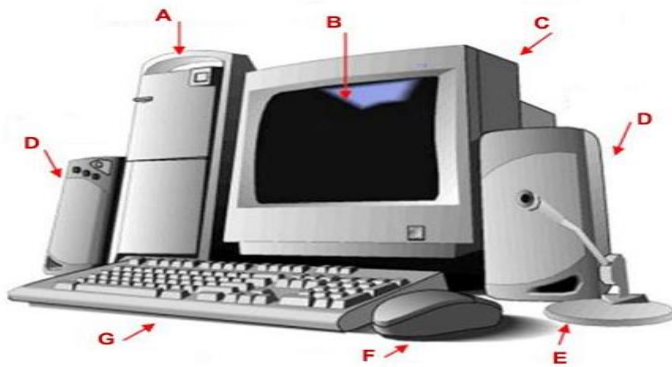
3



4

1. _____
2. _____
3. _____
4. _____

Q . Identify the different parts of the computer. Write the names in the blank boxes.



Name	Letter
	A
	B
	C
	D
	E
	F
	G

SUMMARY

In this document we learnt about:

- What is a Computer?
- Difference between Hardware and Software.
- Who is a User?

Answer the questions given on page no 9 of the text book in the book itself or in any notebook (if you do not have the book)

Exercises given on page no 9 of the text book.

Q1) Tick (✓) the correct answer.

a) A computer is an electronic device which receives the _____ from the user.

Information Data Result

b) The meaningful and organized form of data is _____.

Software Information Hardware

c) After processing, the computer shows the final result as an

_____.

Input Storage Information

d) The person who uses the computer is called _____ .

Information User input

1 » Computer - Its Working

Topics Covered

•Computer System •What is a Computer? •Working of Computer •Characteristics of Computer

Hi friends! Welcome back again. Now, you are in a new class. Let us learn some more about computer.

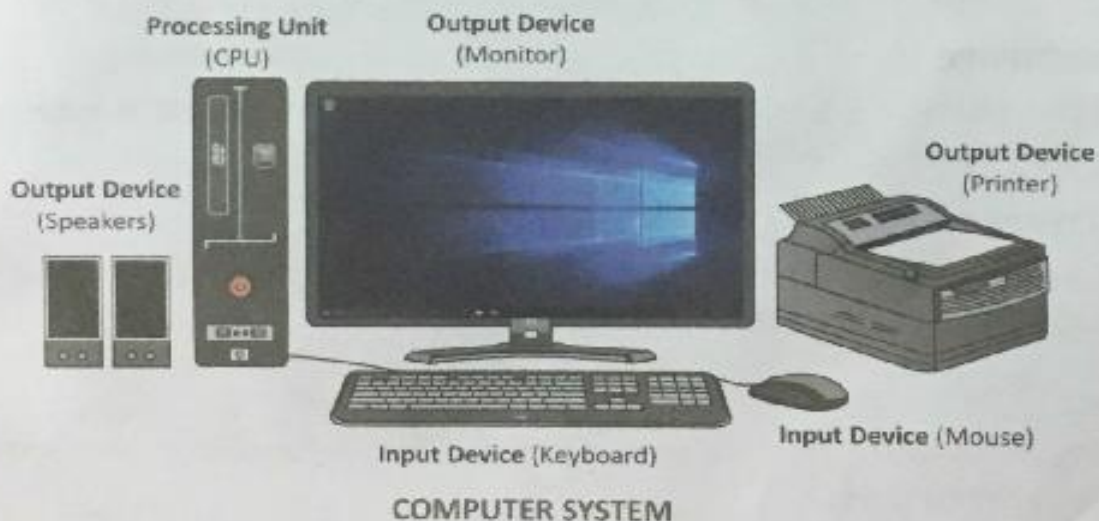


Computer System

The word **computer** comes from the word 'compute', which means to calculate or count. A **system** is a collection or combination of components that are used together for a common task.

A **computer** is called a **computer system** as it is not a single machine, but a combination of **hardware** and **software** components that work together to perform a task.

The labelled diagram of a computer system

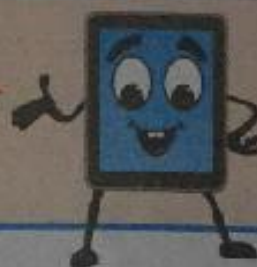


What is a Computer?

A computer is an electronic device which receives the **data** (input) from the user, manipulates it according to the specified rules (**process**) and converts it into **information** or result (output).



Before moving ahead, you should understand some basic terms of computer.



Data

Data is a collection of raw, unorganized facts that includes words, numbers, sounds and images.

Process

Process means an action which is taken by the computer on data to convert it into meaningful information.

Information

The meaningful and organized form of data is called **Information**.

Hardware

All the physical parts attached to a computer are called **Hardware**. You can touch or feel the hardware.

Software

Software is a set of **instructions** that tells the computer hardware what to do and how to perform a particular job.

User

The person who uses the computer and the information generated by it is called a **user**.

Characteristics of Computer

A computer is a powerful and useful machine. It is used in many different fields because of the characteristics it possesses. Let us have a look at some of these characteristics.

SPEED

- The working speed of computer is very fast.
- It can perform thousands of calculations in a second.



STORAGE

- The computer has a very large storage capacity.
- It can store large amount of work for a long time.

VERSATILITY

- Versatility means computer can work at different places for different purposes.
- A computer can perform a variety of tasks efficiently.



ACCURACY

- Computer can work with accuracy.
- It cannot make mistakes on its own.
- It always gives 100% correct answer.

DILIGENCE

- Computer can do lot of work again and again at same speed without getting bored or tired.
- It can work 24 hours without asking for any rest.





In a Nutshell

- A computer system is a combination of hardware and software components.
- Data is a collection of raw, unorganized facts that includes words, numbers, sounds and images.
- Information is the meaningful and organized form of data.
- The working of a computer is based on IPO cycle.
- Computer has a large storage capacity.
- Computer can work with accuracy.



Exercises

A. Tick [✓] the correct answer.

1. A computer is an electronic device which receives the from the user.
a. Information b. Data c. Result
2. The meaningful and organized form of data is
a. Software b. Information c. Hardware
3. After processing, the computer shows the final result as an
a. Input b. Storage c. Information
4. The person who uses the computer and information generated by it is called
a. User b. Information c. Input

B. Write 'T' for True and 'F' for False statements.

1. A computer is called a computer system as it is not a single machine.
2. Keyboard, mouse and scanner are the examples of processing devices.
3. Output is the result we get through output devices.
4. Computer cannot perform a variety of tasks efficiently.

C. Fill in the blanks.

1. The word computer comes from the word
2. A is a combination of hardware and software components.
3. means an action taken by the computer on the data.
4. Software is a set of that tells the computer hardware what to do.

D. Define the following.

1. Data:
2. Process:
3. Information:
4. User:

E. Answer the following questions.

1. What do you mean by computer system?
.....
2. How does a computer work?
.....
3. Write any two characteristics of computer.
.....

F. Application Based Question.

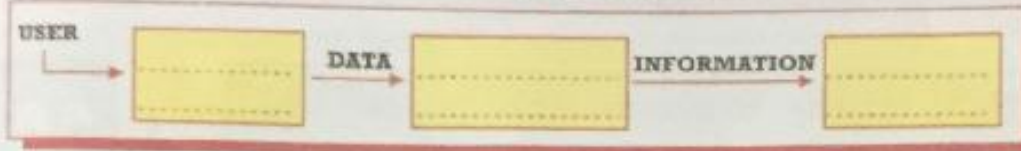
Amit is working on computer. His teacher asked him to tell the principle on which the working of a computer system is based. But he forgot. Help him to tell the answer.

.....

Activity Section

Activity Label

Label the given diagram of working of computer.



Activity Encircle

Encircle the 'features of a computer' given in the grid.



A	N	T	A	C	C	U	R	A	C	Y	O	V
R	P	O	I	U	Y	T	R	E	W	Q	F	E
E	D	I	L	I	G	E	N	C	E	G	G	R
W	E	F	C	W	R	T	Y	S	Y	U	I	S
S	T	S	V	F	X	F	V	T	Y	B	N	A
T	X	N	B	E	D	G	C	O	G	A	B	T
F	F	J	R	H	T	Y	U	R	W	X	B	I
G	D	C	E	R	N	G	E	A	F	F	G	L
H	S	D	E	L	R	R	T	G	G	D	G	I
S	P	E	E	D	W	G	S	E	C	D	E	T
G	F	D	F	R	T	Y	G	I	C	V	B	Y

Quiz yourself

Tick (✓) the correct option.

- Your name, address, class, subjects — all represent - (Data / Information)
- Your Report Card represents - (Data / Information)

Lab Activity

Demonstrate the working of computer system by explaining IPO cycle.

Group Discussion

Divide the students into four groups and discuss the topic, 'Characteristics of Computer'.