

Date 20-5-2020

Class = 6th

Sub - Computer Science [1]

Note & H.W

⇒ Types of Computer :- Computers are two types

1- On the basis of "Principle of Configuration"

2- On the basis of their "Principle of Operation"

1- On the basis of "Principle of Configuration" :-

In this category, computers are classified on the basis of size, speed of computation, Performance, and storage capacity. As :-

a- Micro Computer b- Mini Computer

c- Mainframe Computer d- Super Computer.

a- Micro computer :- Microcomputers are capable of fulfilling the needs of small organizations and personal work or jobs. They can be classified into: Desktops, Laptops, Handheld or Personal Digital Assistant (PDA) Computers.

b- Mini Computer :- These computers are small in size and high in speed in comparison to microcomputers. Ex's :- UNIVAC, VaxRange, PRIME 9755

c- Mainframe Computer :- These computers are bigger in size and offer high data storage speed as well as high processing speed. Ex's :- IBM 360, IBM 370 series and Amdahl 580.

d- Super Computer :- These computers have very high processing speed. They can process billions or trillions of instructions per second. AI (Artificial Intelligence (AI)) is one of the main features of Super Computers. Ex's :- Param, ETA, IBM Roadrunner, Cray Jaguar and Tianhe-1A.

2- Classification based on Principle of Operation :-

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According to the Principle of Operation computers can be classified as:-

a- Analog Comp., b-Digital Comp., c-Hybrid Comp.

a- Analog Computer:- A computer that operates with numbers which are represented by directly measurable quantities is called Analog Computer.

b- Digital Computer:- A computer that performs calculations and logical operations with quantities represented in the form of digital data is called Digital computer. They can be further classified into:-

1- General Purpose Computer

2- Special Purpose Computer

c- Hybrid Computer:- A computer that combines both the analog and digital computer features is called Hybrid Comp.

H.W.

Q.1- Write down all topics in your Notebook and learn.

Q.2- What is microcomputers? write the types of microcomputer.

Q.3- Write the full terms of:- PDA, AI, ROM, RAM, EPROM, BIOS.

Q.4- Make a flow chart showing different types of computers on a chart paper.