Date 22-05-2020

Class-6th

[1]

Sub- Computer Science

Note & H.W.

⇒ Memory [Computer Storage]

Computer memory is the storage space where data and programs are stored. Memory is mainly classified into three types:-

1- Primary/main memory
2- Secondary/Auxiliary Memory
3- Cache memory

1- Primary Memory:- It holds the data and instructions on which the computer is working currently. Primary Memory are two type:- 1- RAM (Random Access Memory)
2- ROM (Read Only Memory)

☆ RAM:- RAM is Random Access memory they are called volatile memory or temporary memory. Because it losses its memory contents as soon as the power is cut or swiched off. Two types are RAM:-
1- SRAM (static RAM) 2- DRAM (Dynamic RAM)

☆ ROM:- ROM is Read Only Memory. ROM is also called non-volatile or Permanent memory. It holds data permanently there data no one can change. ROM types are given bellow-

1- MROM (Mask Read Only Memory)
2- PROM (Programmable Read Only Memory)
3- EPROM (Erasable programmable ROM)
4- EEPROM (Electrically Erasable Programmable ROM
5- BIOS (Basic Input Output System)

Date

Class - 6th
Computer

2- Secondary / Auxilary memory (storage) :-
This type of memory is used for storing data and information permanently. CPU can not access these memories. They are slower than Primary memory.
Exp :- H.D.D., F.D.D., Magnetic tape, CD/DVD, etc.

3 - Cache memory :- This memory holds the data and program which is used most frequently by the CPU. It is very high speed memory. It store data for temporary use.

Memory Units :-

1 byte = 8 bits
1 kilobyte (Kb) = 1024 Bytes
1 Megabyte (MB) = 1024 kilobytes
1 Gigabyte (GB) = 1024 Megabytes
1 terabyte (TB) = 1024 Gigabytes
1 petabyte (PB) = 1024 Terabyte
1 Exabyte (EB) = 1024 Petabyte

H.W.

Q.1- Write above topics on your notebook and learn.
Q.2- Write the fullform of HDD, FDD, CD, DVD ?
Q.3- Difference between RAM and ROM.
Q.4- Draw a flow diagram of Memory types.
Q.5:- Solve given memory Questions -

(1) 1 GB = ? Kb (2) 1 EB = ? GB
(3) 1 PB = ? MB (4) 1 Kb = ? bits.

Teacher's Sign.