

Chapter 1

Computers - Storage and Memory Device

I. Short Question Answers :-

1. What does data consists of ?

Ans: Data consists of numbers, words, sounds and images which have no specific meaning.

2. What is Information?

Ans: Information is data that has some meaning attached to it.

3. Why memory is called as the storehouse of the computer?

Ans: Memory is called as the storehouse of the computer because it has the ability to store large amount of data and also can be retrieved at a later stage very quickly.

4. What is a Byte ?

Ans: The unit of measuring memory of a computer is called a byte. One byte is made up of eight bits.

5. Name two types of hard disk ?

Ans: Two types of hard disk are
(i) Fixed hard disk
(ii) Portable hard disk

II. Long Question Answers :-

1. Why have pen drives become so popular these days ?

Ans: Pen drives are solid state devices with no moving parts to wear out. It is very small and easy to handle and also stores millions of data safe and secure. So they are useful for backup storage and are popular these days.

2. Write two differences between RAM and ROM.

Ans:	<u>Random Access Memory</u> <u>RAM</u>	<u>Read Only Memory</u> <u>ROM</u>
(i)	RAM stores data temporarily.	ROM stores data Permanently.
(ii)	RAM is a volatile memory which cannot hold data without power.	ROM is a non-volatile memory which can hold data without power.

3. Write two differences between CD-ROM and Hard disk

Ans:	<u>CD-ROM</u>	<u>Hard Disk</u>
(i)	Compact Disk - Read Only memory is an optical storage device.	Hard Disk is a magnetic storage device.
(ii)	It can be used only once and their storage Capacity is limited.	It can be reused and have large storage Capacity.

H/W

III. State True or False : From Textbook Pg no: 7

1. The CPU is the brain of the Computer. - True
2. Devices that pass data into the Computer are known as output devices. - False
3. Devices that display data from the Computer are known as input devices. - False
4. An Operating System is a special piece of software that manages the general operations of a Computer system - True
5. CPU consists of the ALU and the Control Unit. - True

H/W

IV Choose the correct option : From Textbook Pg no: 15

1. The Primary memory of a Computer is present inside the _____
(a) Keyboard (c) CPU
(b) mouse (d) floppy disk
Ans: (c) CPU

(4)

2. The memory present outside the CPU is called _____ memory.

- (a) Primary (c) main
(b) Secondary (d) internal

Ans: (b) Secondary

3. The optical disk is an example of _____.

- (a) Secondary storage device (b) disk drive
(c) Control unit (d) secondary storage media

Ans: (d) secondary storage media

4. ROM stands for _____.

- (a) Read Only Memory (c) Random Access Memory
(b) Right Only Memory (d) Read/Write Memory

Ans: (a) Read Only Memory

5. RAM is also known as _____.

- (a) Read/Learn memory (c) Random Access Memory
(b) Read/Write memory (d) Run-away Memory

Ans: (b) Read/Write Memory

6. Which of the following is not a secondary storage media?

- (a) Pen drive (c) Floppy disk
(b) Internal hard disk (d) Random Access Memory (RAM)

Ans: (d) Random Access Memory (RAM)

7. Which of the following is used by an optical disk to read and write data?
- (a) Magnetic read/write head
 - (b) Laser beam
 - (c) Magnetic spots
 - (d) sectors
- Ans: (b) Laser beam

V Fill in the blanks :- From Textbook Pg no: 16

1. Control Unit controls the processing of data inside the processor.
2. Internal storage is also called Primary Memory.
3. Optical disk is an example of Secondary Storage Media.
4. The main memory of the computer consists of ROM and RAM.
5. Memory whose contents can be changed is called RAM.

VI Write the Full forms of the following:-

1. USB - Universal Serial Bus
2. DVD - Digital Versatile Disc
3. KB - kilobytes
4. MB - megabytes
5. GB - gigabyte
6. TB - terabyte
7. ZB - zettabyte
8. YB - yottabyte
9. CD-R - Compact Disk - Recordable
10. CD-RW - Compact Disk - Rewritable

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Home Work Part for students will be

1. State True / False - From Textbook Pg No: 7
2. Choose the correct option - From Textbook Pg No: 15
(Only the selected ones - Please follow the notes)