



FLASHBACK

- The memory of a computer refers to the physical devices used to store instructions, information or data temporarily or permanently.
- Computer memory is of two types, primary memory and secondary memory.
- RAM stands for Random Access Memory. It is also known as volatile memory.
- ROM stands for Read Only Memory. It is also known as non-volatile memory.
- A hard disk consists of one or more rigid metal plates. A single hard disk usually consists of several platters.

EXERCISE

1. Tick (✓) the correct option.

1. A bit is the smallest unit of data in a computer.
- | | | |
|---------------------------------------|---|--------------------------|
| <input type="checkbox"/> (a) byte | <input type="checkbox"/> (b) kilobyte | <input type="checkbox"/> |
| <input type="checkbox"/> (c) gigabyte | <input type="checkbox"/> (d) <u>bit</u> | <input type="checkbox"/> |
2. RAM and ROM are parts of a computer's Primary memory.
- | | | |
|---|--|--------------------------|
| <input type="checkbox"/> (a) external memory | <input type="checkbox"/> (b) <u>primary memory</u> | <input type="checkbox"/> |
| <input type="checkbox"/> (c) secondary memory | <input type="checkbox"/> (d) unit memory | <input type="checkbox"/> |
3. Which of the following is a secondary memory?
- | | | |
|---|--|--------------------------|
| <input type="checkbox"/> (a) <u>Hard Disk</u> | <input type="checkbox"/> (b) RAM | <input type="checkbox"/> |
| <input type="checkbox"/> (c) ROM | <input type="checkbox"/> (d) none of these | <input type="checkbox"/> |
4. A group of 4 bits forms a Nibble and a group of 8 bits is called a byte.
- | | | |
|--|--|--------------------------|
| <input type="checkbox"/> (a) triple | <input type="checkbox"/> (b) bytes | <input type="checkbox"/> |
| <input type="checkbox"/> (c) <u>nibble</u> | <input type="checkbox"/> (d) pen drive | <input type="checkbox"/> |

5. Fill in the blanks with appropriate words.

1. Primary memory is computer memory that is accessed directly by the CPU.
2. RAM is also known as volatile memory.
3. In EEPROM, data can be erased using electrical signals.
4. A blue-ray disk can hold upto 128 GB data.
5. DVD can store data upto 4-7 GB.

Primary, 128 GB, Volatile, 4.7 GB, EEPROM

C. Tick (✓) for the correct statements and cross (X) for the wrong ones.

1. A bit is the smallest unit of information. *True*
2. A group of four bits is called a byte. *false*
3. Primary memory is also known as the main memory of the computer. *True*
4. EPROM refers to Electrically Erasable Programmable Read Only Memory. *false*
5. Pen drive is used to store data outside the computer. *True*
6. Hard disk is fixed inside the UPS cabinet. *false*

5/8/22

Cl-2

Chapter-2
Data Storage and memory

Q1) Answer the following question:-

1) What do you understand by computer memory?

Ans ⇒ The storage capacity of a computer is called its memory. memory enables the computer to store data and information.

Q2) Write a short note on blu-ray disk.

Ans ⇒ Blu-ray disk can store 128 GB data. It is used to store high quality sound games and movie.

3) Describe the difference between RAM and ROM.

Ques) RAM

- 1) Random Access memory
- 2) Volatile memory
- 3) Temporarily memory
- 4) It works until the computer switched on.
- 5) Store data in buffer and Register

ROM

- 1) Read only memory
- 2) Non Volatile memory
- 3) Permanent memory
- 4) It works after the computer switched off
- 5) Store data in hard disk.

Ques)

Diff- Describe the difference between EPROM and EEPROM.

Ans

In EPROM data can be erased using ultraviolet light. In EEPROM data can be erased using electrical signals.