

## RECAP ZONE



- A computer memory is used for storing data and instructions.
- A computer can only understand the binary language. Binary language consists of zeros and ones.
- Various units for measuring the computer memory in the ascending order are—Byte, Kilobyte, Megabyte, Gigabyte, Terabyte, Petabyte, Exabyte, Zettabyte, and Yottabyte.
- The computer memory is of two types—primary memory and secondary memory.
- Primary memory is of two types—RAM and ROM.
- Secondary memory can store large amounts of data permanently.
- Secondary memory devices are—Hard Disk, Compact Disc, Digital Versatile Disc, Blu-ray Disc, Pen Drive and Memory Card.

## Words to Know



- **Primary memory:** It is a memory whose contents can be directly accessed by the CPU.
- **RAM:** RAM stands for Random Access Memory. It is a volatile read/write memory used for storing data and programs that are directly accessible to the CPU.
- **ROM:** ROM stands for Read Only Memory. It is a non-volatile memory that is used for storing BIOS program.
- **Secondary Memory:** It is a non-volatile memory which is used for bulk storage of program, data and other instructions.

## ASSESSMENT ZONE



### A. Choose the correct answer.

1. \_\_\_\_\_ is not a secondary storage device.
- a) DVD                      b) RAM                      c) CD                      d) Hard disk

2. The \_\_\_\_\_ is volatile in nature.  
a) RAM                      b) hard disk                      c) ROM                      d) pen drive
3. Which of the following is not a characteristic of primary memory?  
a) It is that area of memory that holds only those data and instructions on which computer is currently working.  
b) The data on the primary memory is directly available to the CPU.  
c) It stores data permanently.  
d) RAM and ROM are two types of primary memory.

**B. Tick (✓) the correct statement and cross (×) out the wrong one.**

1. RAM contains prerecorded instructions that can only be read.
2. A CD can hold more data than DVD.
3. Bit is the smallest unit for measuring the computer memory.
4. The primary memory has a limited storage capacity.
5. ROM is a non-volatile memory as it retains the contents even when the power is switched off.

**C. Fill in the blanks using the words given below.**

RAM      DVD      Byte      ROM      Terabyte

1. \_\_\_\_\_ contains a basic set of instructions called BIOS which helps to start the operating system.
2. A \_\_\_\_\_ is circular in shape and can hold more data than a CD.
3. The number and size of programs that a computer can run simultaneously is dependent on the size of the \_\_\_\_\_ installed in a computer.
4. 1024 gigabytes is equal to one \_\_\_\_\_.
5. A combination of 8 bits makes up a \_\_\_\_\_.