

## Web Camera

Web camera is a device connected to a computer to capture images for recording or for transmission over the Internet.



### Now You Know



- Computer is an electronic device which accepts data, processes it based on our instructions and gives related output.
- Computer system works on the basis of Input, Process and Output i.e. IPO cycle.
- Hardware is the physical part of a computer which can be touched and seen.
- Software can be defined as a set of instructions that instruct the computer how to do a specific job although it is not visible.
- Input devices like keyboard or mouse help us to give data or instructions to the computer.
- CPU i.e. Central processing Unit performs processing on the input data as per the instructions given.
- Output devices like monitor or printer provide the result or information.
- Memory unit is the storage area of a computer which stores data temporarily or permanently and is measured in terms of megabytes(MB) and gigabytes(GB).
- Primary memory is the main memory which stores the data used by the computer and is temporary in nature.
- Secondary memory is an external memory that stores data permanently.
- Online data storage is an alternative to local storage such as hard disc that allow you to store data on the Internet servers.



## Assessment Sheet

**A. Tick (ü) the correct option for the following statements.**

1. The computer is an electronic machine that does one of these.

- a)  accepts and stores data
- b)  accepts, stores, processes data and displays results
- c)  accepts data to display

2. This means work done by the CPU.

- a)  Output
- b)  Processing
- c)  Printing



3. The components that form the body of the computer system.
  - a)  Software
  - b)  Hardware
  - c)  Microprocessor
4. This is called the soul of the computer system.
  - a)  Software
  - b)  Hardware
  - c)  Mother Board
5. A set of instructions given to the computer to do a specific job.
  - a)  Input
  - b)  Program
  - c)  Hardware
6. The chip which has the brain of the computer system.
  - a)  CD Hard
  - b)  Disc
  - c)  Microprocessor
7. It is a technology that allows storing data with the help of Internet.
  - a)  Cloud Storage
  - b)  Offline Storage
  - c)  Web Storage
8. The memory that stores data or instruction currently used by the computer system.
  - a)  Temporary Memory
  - b)  Local Memory
  - c)  Primary memory
9. The memory of the computer that stores information permanently.
  - a)  Secondary Memory
  - b)  Main Memory
  - c)  System Memory
10. The basic unit used to denote the storage capacity of any storage device.
  - a)  Kilobytes
  - b)  Bytes
  - c)  Megabytes

**B. Fill in the blanks.**

**Help Box** output, PPM, hardware, system, software, Cloud storage, application

1. A computer system has two parts: hardware and software.
2. Software is mainly of two types: system and application.
3. Cloud storage is the technology that allows you to store data on the internet servers.
4. Printers, monitor, headphone are the examples of output devices.
5. PPM is the term used to measure the speed of the laser printers.

**C. Tick (ü) the correct and cross (û) the wrong ones in the following statements.**

1. Hardware is a part of the computer that you can't see or touch.
2. The storage capacity of CD and DVD is the same.
3. The hardware parts of the computer system are useless without software.
4. The information stored in primary memory of the computer is permanent.
5. Primary memory of the computer is erased when power is switched off.



**D. Write the full form for the following abbreviations.**

- |        |                                   |        |                           |
|--------|-----------------------------------|--------|---------------------------|
| 1. CD  | <u>Compact Disc</u>               | 4. DVD | <u>Digital Video Disk</u> |
| 2. UPS | <u>Uninterrupted Power Supply</u> | 5. MB  | <u>Megabyte</u>           |
| 3. ROM | <u>Read Only Memory</u>           | 6. PPM | <u>Pages Per Minute</u>   |

**E. Give one word answer for the following statements.**

**Help Box** Optical, DVD, Hard disc, Pen Drive, 700 MB, CD/DVD Burner

- |  |                      |
|--|----------------------|
| 1. In this device a tiny laser beam is used to write the data.                     | <u>CD/DVD Burner</u> |
| 2. This is a flash storage device integrated with USB port of the computer.        | <u>Pen Drive</u>     |
| 3. A disc which can store data up to 4.7 GB.                                       | <u>DVD</u>           |
| 4. Storage capacity of a CD.   | <u>700 MB</u>        |
| 5. The operating system and other programs of the computer system are stored here. | <u>Hard Disk</u>     |
| 6. A type of mouse that uses light sensor to detect its movement.                  | <u>Optical</u>       |

**F. Answer the following questions.**

1. What is Hardware?

**Hardware is the physical part of a computer which can be touched and seen.**

2. What is Software?

**Software can be defined as a set of instructions that instruct the computer how to do a specific job although it is not visible.**

3. What are Input devices? Name any three input devices.

**Input devices help us to give data or instructions to the computer. Examples Keyboard, Mouse, Touch Screen, Scanner, Light Pen**

4. What are Output devices? Name any three output devices.

**Output devices provide the processed output depending on input. The result can be printed on a paper or can be seen on the monitor. Example Monitor, printer, speakers**

5. What is Secondary Memory? Give three examples.

**Secondary memory are those devices used to store information permanently. Information once stored in these devices will remain there till you erase it. Example: Hard Disk Drive CD/DVD, Pen Drives**





## Computer in Everyday Life

- 1 Tarun was confused between buying a Desktop computer or Laptop computer for his studies. Suggest him by ticking the facilities provided by both types of computers to decide what he should buy.

In the given circles, write **D** for desktop computer and **L** for Laptop computer.

It is a fixed computer placed on a tabletop.

**D**

It is portable.

**L**

It is heavier.

**D**

It is lighter.

**L**

It has built-in battery.

**L**

It is powerful.

**D**

It is not so powerful.

**L**

It has mouse to control pointer.

**D**

It uses touch pad to control the pointer.

**L**

It has separate keyboard.

**D**

Its keyboard is inbuilt.

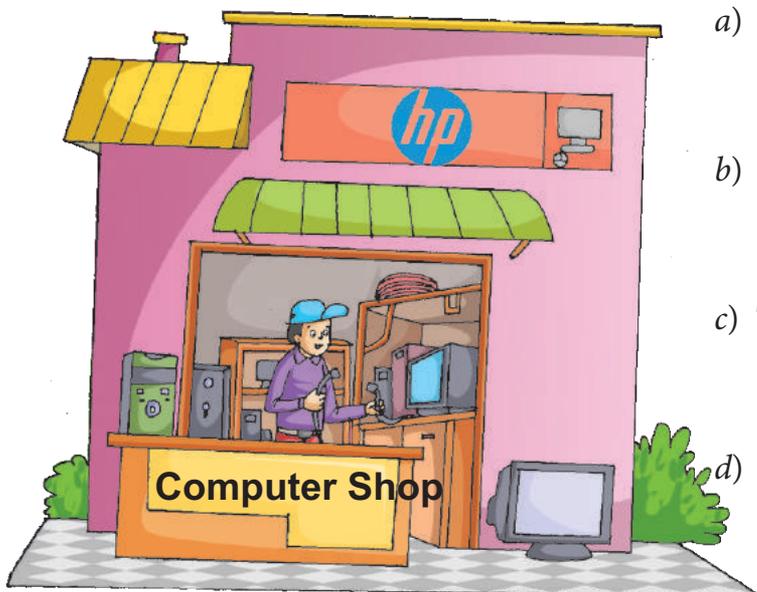
**L**

It has built-in speakers.

**L**



- 2 Kunal with his father is in the computer hardware shop. Read the following statements and suggest him the correct type of hardware to meet his requirement.



- a) He needs a printer, which he can use to print colourful pages for his project works.

**Inkjet Printer**

- b) To listen music and watch videos without disturbing anyone in room.

**Head Phones**

- c) To carry his project work or presentations to school for showing it to the computer teacher.

**Pen Drive**

- d) He needs a device that can be connected with the computer to play video games without using keyboard and mouse.

**Joy Stick**

