

GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ

WORKSHEET NO.: 1

SESSION: 2020-2021

CLASS : 7 (A,B,C,D,E,F)

SUBJECT: COMPUTER

Instructions: Parents are expected to ensure that the student takes reference from any book or Internet.

Link: <https://youtu.be/A1LwJRYiaho>

CHAPTER 1: COMPUTER – HARDWARE COMPONENTS

TOPIC : Internal Hardware and External Hardware

Hardware

The physical components of a computer, which we can touch and feel, are known as Hardware. Hardware can be further categorized into Internal and External hardware.

Internal hardware

The hardware components that are installed within the CPU cabinet are called Internal hardware. For example, CPU, RAM, ROM, Motherboard, Network card, Sound card, Video card etc.

1. **Motherboard-** A Motherboard is the main circuit board of a computer that holds the most essential components of the computer system. It serves as a single platform to connect all the parts together and allow them to communicate with each other.
2. **Sound card-** A sound card is a hardware component that is fixed either in an expansion slot or on the motherboard. It controls the input and output of the sound signals.
3. **CPU-** CPU is the main unit of a computer. It is alternately referred to as **microprocessor**. It controls all the instructions it receives from hardware (internal and external) and software running on a computer. There are mainly three components of CPU:
 1. **Memory Unit-** It stores both data and instructions when entered.
 2. **Arithmetic and logic Unit-** This unit performs the arithmetic and logical Unit.
 3. **Control Unit-** It controls the operation of every other component of a computer system.

External hardware

The components which are attached to the computer externally, are called External Hardware components. These are also known as Peripherals. These peripherals can be divided into three categories:-

1. **Input devices** – These are used to enter data and information into a computer. For example- keyboard, mouse, scanner.
2. **Output devices**- These devices are used to display or print the processed data in a user readable form. For example- Monitor, projector, printer.
3. **Storage devices** – These devices store information until it is deleted or overwritten by the user. For example- Hard disk, CD ROM, DVD.

ANSWER THE FOLLOWING QUESTIONS

Q1. FILL IN THE BLANKS:

1. Hardware is categorized into _____ and _____ hardware.
2. Keyboard, mouse, scanner are types of _____ devices.
3. CPU is alternately referred to as _____.

Q2. STATE TRUE OR FALSE:

1. RAM and ROM are external hardware components.
2. Sound card controls the input and output of the sound signals.
3. The physical components of a computer, which we can touch and feel, are known as Hardware.

Q3. ANSWER THE FOLLOWING IN SHORT:

1. What is a Motherboard?
2. Explain briefly output devices and storage devices.

Q4. ANSWER THE FOLLOWING IN LONG:

1. Explain internal and external hardware.
2. What is the main unit of computer? What is its function?

THE END