

Chapter-3

HOW DOES A COMPUTER WORK?**STUDY NOTES**

A computer cannot work on its own. The letters, numbers, pictures and instructions into the computer is called Data.

Input:

- The data and instructions that we enter into computer are called Input.
- Keyboard and mouse are used to input data

**Process:**

- Working on data is called Processing.
- CPU works on the data and does all the thinking and calculations.

**Output:**

- Output means the final result.
- After CPU finishes processing the data the output is displayed on the monitor.
- Example of Output devices such as monitor, printer.

$$\boxed{4} \quad \boxed{+} \quad \boxed{3} \quad \boxed{=} \quad \boxed{7}$$

Here 3 and 4 are inputs or Data. 7 is the Result or output. + is the instruction.

BRAIN DEVELOPER

A. Fill in the blanks using the words given in the hints box.

Hint: **Output, Data and instructions, Letters, Numbers, Processing, Input, Pictures**

1. The data that we enter into the computer is known as **input**.
2. **Output** is the result given by a computer.
3. When a computer works on the data, it is called **processing**.
4. We enter **data and instructions** into the computer.

Data can be **Letters, Numbers**, words, and **Pictures**.

B. Write T (True) or F (false)

1. Data typed into a computer is called output. **False**
2. A computer cannot work on its own. **True**
3. Monitor and printer are the most common input devices. **False**
4. We get output from the computer. **False**

SECTION-B

A Tick the right answer

1. Which among the following parts of a computer does all the calculations?

a. Speaker **b. CPU** c. Mouse

2. What are the data and instructions together known as?

a. Output b. Process **c. Input**

3. Which part of a computer works like a human brain?

a. CPU b. Monitor c. Printer

B. Answer the following questions

1. Menti on the three step process on which a computer work.

Ans: Input → Process → Output

2. Which part of computer works on data to give the output.

Ans: CPU works on data to give the output.

3. Name the term used for the final result that we get after processing.

Ans: The final result that we get after processing is called output.

4. Which part of a computer displays the output?

Ans: Monitor displays the output.

c. Look at the pictures given below. Label the boxes with [I] for input, [P] for processing, and [O] for output.

b. Milk, chocolate, sugar, and pan

Chocolate milk

Heating

[I]

[O]

[P]

c. Cloth

Frock

Stitching cloth

[I]

[O]

[P]

d. Juicer

Fruits

Juice

[P]

[I]

[O]

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