Computer Science

BOOKMARK

2

Sadaf Yousuf

Hardware and Software

What is Hardware?

The physical parts of a computer that we can touch and feel are called hardware. They are divided into the following:

1. Input Devices
2. CPU
3. Output Devices
4. Storage Devices

1. Input Devices

The devices that we use to enter data into the computer are called input devices. A few examples are:

Keyboard

Mouse

Joystick

Scanner

Q6: Look at the following pictures and write their names in the given box.

Input and Output Devices

Student Learning Outcomes

● To recall and identify different input and output devices

Input Devices

We have already learnt in Book 1 that input is the act of entering data into a computer and the devices that we use for this purpose are called input devices. Let's learn about some common input devices in detail.

Keyboard

Keyboard, the main input device, has the letters, numbers and other special keys. It is used to type a letter, a number, punctuation marks or any other symbol. You can also use keyboard to control the computer.

A keyboard has the following types of keys.

Typing keys

The typing keys include letters, numbers, punctuation marks and symbols.

Control keys

The control keys are used alone or with other keys to perform certain actions.

These keys are Ctrl, Alt, the Windows logo key 🪟 and Esc.

Function keys

The function keys are used to perform specific tasks. These keys are from F1 to F12.

Q6: Identify the devices as input or output. Write the answer in given boxes and match them to the correct picture.

Speakers

Joystick

Mouse

Monitor

Printer

Scanner

Navigation keys

The navigation keys are used to move around. These include the arrow keys, Home, End, Page Up, Page Down, Delete and Insert keys.

Numeric keypad

The numeric keypad is used for entering numbers quickly.

Function Keys

Typing Keys

Control Keys

Navigation Keys

Numeric Keypad

Mouse

Mouse is a pointing input device. It controls the cursor on the computer screen.

It has two buttons:
- Left button
- Right button
  and a scroll wheel

The mouse actions are given below:
- Point
- Click
- Right click
- Double click
- Drag and drop
- Right drag

Scroll Wheel

Right Button

Left Button

Research Work

Paste pictures of some input and output devices that can be used with a computer system.

Input Devices	Output Devices

About the Series

Computer Science series is a comprehensive computing course up to secondary level. This thoroughly revised edition is empowered with colourful pictures, illustrative diagrams, real-life examples, 'Chapter Overview', end-of-chapter 'Exercises', additional information in 'TitBits', 'Research Work' and a 'Glossary' of important terms. It introduces key concepts and provides information on major topics in a very clear and concised manner. It aims to promote technical competencies within the children. The language used in this set of books is simple yet easy to get into the mind of young learners.

Approved by PCTB

PCTB