

Zahid Notes

1st Year Computer Science

Chapter 4: Inside System Unit

Federal Board (FBISE) | Proper Notes for Exam Preparation

PROPER NOTES IN ENGLISH: Detailed explanations, examples, solved short and long answers, MCQs and a revision plan.

These notes are written in original words for practice and exam preparation. They are not a copy of the official textbook and they are not a board paper. Students should also read the textbook, because board questions come from the prescribed syllabus.

1. Introduction and Detailed Explanation

The system unit is the box in which the main parts of a computer are fitted. Inside it are the motherboard, CPU, memory, power supply and storage devices.

The motherboard is a large circuit board on which all parts are fitted and connected to each other. Without a motherboard, the parts cannot communicate with each other.

The power supply gives electricity to the computer. Every part needs the correct voltage. If the power supply is faulty, the computer cannot work properly.

The Motherboard in Detail

The motherboard has slots and sockets for the CPU, memory and cards. It also has ports at the back for connecting a keyboard, mouse, monitor and USB devices. Data travels through tracks on the motherboard from one part to another.

Cooling and Safety

When a computer works, its parts become warm. Fans are used inside the system unit to keep the parts cool. If a part becomes too hot, it can slow down or stop working. The system unit also protects the delicate parts from dust and damage.

2. Important Definitions

Motherboard

A large circuit board on which the CPU, memory and other parts are fitted.

System Unit

The box in which the internal parts of a computer are kept safe.

Power Supply

The part that supplies the required electricity to the computer.

Expansion Slot

A place on the motherboard where an extra card, such as a graphics card, can be fitted.

3. Solved Short Questions

Q1. What is a system unit?

It is the box in which the main internal parts of a computer are fitted.

Q2. What is the work of the motherboard?

It connects all parts and makes communication between them possible.

Q3. Why is a power supply necessary?

So that every part gets the correct electricity and the computer works properly.

Q4. Name three parts inside a system unit.

The CPU, memory and motherboard.

4. Solved Long Questions

Q1. Describe the system unit and the motherboard.

The system unit is the main box of a computer. It protects the internal parts and holds them in place. Inside it are the motherboard, CPU, memory, power supply and storage devices. The motherboard is the most important board inside the system unit. All other parts are fitted on it, and data travels through it from one part to another. It also has ports for external devices. Without a system unit, the parts would be open to damage, and without a motherboard, they could not work together.

5. MCQs, Fill in the Blanks and True / False

1. All parts are fitted on:

- A. The Monitor
- B. The Motherboard
- C. The Keyboard
- D. The Mouse

Correct answer: B

2. The work of a power supply is:

- A. To delete data
- B. To supply electricity
- C. To print
- D. To make pictures

Correct answer: B

6. Important Points and Revision Plan

Motherboard = connection of all parts

System unit = box for internal parts

Power supply = source of electricity

- Read the detail once and write the definitions in your own words.
- Write the short and long answers yourself, then match them with the notes.
- Solve the MCQs and read the important points box again before the test.