

Block Diagram of Computer

1. What is the main function of the Control Unit (CU) in a computer system?

- A) Perform arithmetic operations
- B) Control the flow of data
- C) Store data
- D) Manage input/output operations

2. Which of the following is not part of the CPU in a computer's block diagram?

- A) Arithmetic and Logic Unit (ALU)
- B) Control Unit (CU)
- C) Primary memory
- D) Register

3. What does the ALU (Arithmetic and Logic Unit) primarily do?

- A) Stores data
- B) Performs calculations and logical operations
- C) Controls the operation of the system
- D) Manages input and output devices

4. Which component is responsible for performing arithmetic operations like addition and subtraction in the computer block diagram?

- A) ALU (Arithmetic and Logic Unit)
- B) CU (Control Unit)
- C) Memory
- D) Input devices

5. In a computer's block diagram, which of the following components is primarily responsible for storing data?

- A) Control Unit
- B) ALU
- C) Memory (RAM/ROM)
- D) Input/Output devices

6. What does the "bus" in the computer block diagram refer to?

- A) A storage device
- B) A data transmission pathway
- C) A processing unit

D) A software component

7. Which of the following is NOT a part of the input devices in a computer system block diagram?

A) Keyboard

B) Mouse

C) Monitor

D) Scanner

8. In the block diagram of a computer system, where is the data processed?

A) Input devices

B) Memory

C) CPU

D) Output devices

9. Which component of a computer system's block diagram communicates between the CPU and the memory?

A) ALU

B) Bus

C) Control Unit

D) Cache

10. Which of the following is the primary purpose of the Output Unit in the computer system's block diagram?

A) Convert user commands into machine code

B) Display or produce the result of processing

C) Store data permanently

D) Control the flow of data

11. Which block in the computer system is responsible for managing the flow of data between various components?

A) ALU

B) Control Unit

C) CPU

D) Memory

12. What does the term "bus" refer to in the context of a computer's block diagram?

A) A type of memory storage

B) A pathway for data transfer

C) A type of processor

D) A software tool

13. Which of the following components is part of the output devices in a computer system?

A) Printer

B) Keyboard

C) Mouse

D) Scanner

14. Where does the computer's central processing occur in the block diagram?

A) ALU

B) Control Unit

C) CPU

D) I/O Units

15. Which block is responsible for executing instructions in the computer system?

A) Control Unit

B) ALU

C) Register

D) CPU

16. Which block of the computer system is used for temporary storage of data during processing?

A) RAM

B) ROM

C) ALU

D) Cache

17. Which unit in the computer system is responsible for interpreting and executing machine instructions?

A) Control Unit

B) ALU

C) CPU

D) Memory

18. Which of the following does NOT belong in the CPU block diagram?

A) Control Unit

B) ALU

C) Registers

D) Hard Disk

19. What is the function of the primary memory (RAM) in the block diagram of a computer system?

A) Store data permanently

B) Process data

C) Temporarily store data and instructions

D) Control the execution of instructions

20. Which part of the block diagram connects the CPU to the memory, performing the reading and writing of data?

A) I/O System

B) Control Unit

C) Bus

D) ALU