

#1. What is the purpose of a hardware accelerator in computer systems?

- 
- 1. To speed up specific tasks
- 
- 2. To store large files temporarily
- 
- 3. To manage network connections
- 
- 4. To provide additional power supply
- 
- 5. None of the above

#2. In computer architecture, what is the role of the Arithmetic Logic Unit (ALU)?

- 
- 1. To perform arithmetic and logic operations
- 
- 2. To manage memory operations
- 
- 3. To control input/output operations
- 
- 4. To decode instructions
- 
- 5. None of the above

#3. What is the purpose of a parallel port in computer systems?

- 
- 1. To connect the computer to the internet
- 
- 2. To connect external devices such as printers
-

3. To store temporary data

4. To process parallel computations

5. None of the above

#4. What does the term "RAID 5" indicate in computer storage technology?

1. Data mirroring across multiple drives

2. Data striping with parity across multiple drives

3. Data replication across multiple drives

4. Data compression across multiple drives

5. None of the above

#5. What is the function of the memory management unit (MMU) in a computer system?

1. To manage memory operations

2. To control input/output operations

3. To manage the main memory

4. To manage cache memory

5. None of the above

#6. In computer architecture, what is the purpose of the system bus?

- 
- 1. To connect the CPU to external devices
- 
- 2. To connect the CPU to the motherboard
- 
- 3. To connect the CPU to the memory
- 
- 4. To connect the CPU to the hard disk
- 
- 5. To connect the CPU to the power supply

#7. What does the term “pipelining” refer to in computer architecture?

- 
- 1. A process of transporting data through a pipe
- 
- 2. A technique of processing multiple instructions simultaneously
- 
- 3. A method of cooling the CPU
- 
- 4. A technique of processing data in parallel
- 
- 5. None of the above

#8. What is the purpose of a hardware interrupt in computer systems?

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- 1. To indicate errors in the operating system
- 
- 2. To request CPU attention for specific tasks
- 
- 3. To perform arithmetic operations

4. To manage network connections

5. None of the above

#9. What is the role of the memory address register (MAR) in a computer system?

1. To store the current instruction

2. To store the address of the data to be accessed

3. To store the current memory address

4. To store the program counter value

5. None of the above

#10. In computer systems, what does the term "DMA" stand for?

1. Direct Memory Allocation

2. Dynamic Memory Access

3. Digital Media Adapter

4. Dual Mode Access

5. Direct Memory Access

#11. What is the purpose of the instruction register (IR) in a CPU?

1. To store the program counter value

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- 2. To store the current instruction
- 
- 3. To store the memory address of data to be accessed
- 
- 4. To store the system clock value
- 
- 5. None of the above

#12. What is the primary function of the control unit in a CPU?

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- 1. Perform arithmetic operations
- 
- 2. Manage memory operations
- 
- 3. Control input/output operations
- 
- 4. Decode instructions
- 
- 5. None of the above

#13. In computer architecture, what does the term "register" refer to?

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- 1. A small, fast storage location in the CPU
- 
- 2. A large, slow storage location in the hard disk
- 
- 3. A device for external data storage
- 
- 4. A type of computer monitor
- 
- 5. None of the above

#14. What is the purpose of the system clock in a computer system?

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- 1. To display time
- 
- 2. To synchronize operations of various components
- 
- 3. To measure the speed of the CPU
- 
- 4. To ignore errors in the system
- 
- 5. None of the above

#15. In computer architecture, what does the term “word size” refer to?

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- 1. The size of a computer program
- 
- 2. The size of a memory address
- 
- 3. The size of a data bus
- 
- 4. The size of a CPU register
- 
- 5. The size of a computer screen

#16. What does the term “endianess” refer to in computer systems?

- 
- 1. A type of computer virus
- 
- 2. The order in which bytes are stored in memory
- 
- 3. The speed of the CPU

4. The frequency of the system clock

5. None of the above

#17. What is the purpose of the cache memory in a computer system?

1. To store data temporarily

2. To provide additional storage for large files

3. To improve memory access speed

4. To store the operating system kernel

5. To prevent unauthorized access to data

#18. In computer architecture, what is the function of the Arithmetic Logic Unit (ALU)?

1. To perform arithmetic and logic operations

2. To manage memory operations

3. To control input/output operations

4. To decode instructions

5. None of the above

#19. What is the purpose of a parallel processing in computer systems?

1. To process data sequentially

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- 2. To process data in parallel
- 
- 3. To process data using a single core
- 
- 4. To process data without any interruptions
- 
- 5. None of the above

#20. What does the term “microarchitecture” refer to in computer systems?

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- 1. The design of individual circuits
- 
- 2. The design of entire computer systems
- 
- 3. The design of microprocessors
- 
- 4. The design of memory modules
- 
- 5. None of the above

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