#1. What does GPU stand for in computer graphics technology?

☐
1. Graphics Processing Unit
☐
2. General Processing Unit
☐
3. Graphical Performance Unit
☐
4. General Purpose Unit
☐
5. Graphical Processing Option

#2. Which of the following components is responsible for managing the system clock in a computer system?

☐
1. CPU
☐
2. GPU
☐
3. RAM
☐
4. CMOS Battery
☐
5. Hard Disk

#3. What is the purpose of an instruction register in a CPU?

☐
1. To store the data to be processed
☐
2. To store the current instruction

☐
3. To store the result of an operation
☐
4. To store the address of data
☐
5. To store the BIOS instructions

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

☐
1. A single character
☐
2. A group of bits representing a data item
☐
3. A storage unit in the hard disk
☐
4. A unit of memory in a CPU
☐
5. A file or document in the computer

#5. Which of the following is a characteristic of a RISC (Reduced Instruction Set Computing) architecture?

☐
1. Large number of instructions
☐
2. Simple instructions
☐
3. Complex instructions
☐
4. Slow execution speed
☐
5. None of the above

#6. What is the role of the arithmetic logic unit (ALU) in a CPU?

☐
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

#7. What is the purpose of pipelining in computer architecture?

☐
1. To transmit data between devices
☐
2. To execute multiple instructions simultaneously
☐
3. To store temporary data
☐
4. To enhance instruction processing speed
☐
5. To manage input/output operations

#8. What does the term “clock cycle” refer to in a CPU?

☐
1. The time taken to execute one instruction
☐
2. The time taken to perform one clock pulse
☐
3. The time taken to switch off the CPU

☐
4. The time taken to restart the CPU
☐
5. None of the above

#9. In computer architecture, what is the purpose of the address bus?

☐
1. To carry instructions to the CPU
☐
2. To carry data between CPU and memory
☐
3. To carry memory addresses
☐
4. To carry instructions from the CPU
☐
5. None of the above

#10. What is the role of the control bus in a computer system?

☐
1. To control the input devices
☐
2. To manage the main memory
☐
3. To control communication between components
☐
4. To control the output devices
☐
5. None of the above

#11. What is the function of the system bus in a computer system?

☐
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

#12. What does the term “DMA” stand for in computer architecture?

☐
1. Direct Memory Access
☐
2. Dynamic Memory Allocation
☐
3. Digital Media Adapter
☐
4. Dual Mode Access
☐
5. Data Management Architecture

#13. What is the purpose of a memory controller in a computer system?

☐
1. To manage the main memory
☐
2. To control input devices
☐
3. To manage cache memory
☐
4. To control output devices
☐
5. None of the above

#14. What does the term “cache hit” refer to in computer architecture?

☐
1. A cache memory error
☐
2. A cache memory access operation that finds data
☐
3. A cache memory access operation that misses data
☐
4. A cache memory access operation that fails
☐
5. None of the above

#15. Which of the following is a characteristic of a cache memory?

☐
1. Small in size and high in speed
☐
2. Large in size and low in speed
☐
3. Small in size and low in speed
☐
4. Large in size and high in speed
☐
5. None of the above

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

☐
1. Physical memory allocated for virtual tasks
☐
2. Memory reserved for operating system use
☐
3. An imaginary memory space

☐
4. RAM used for storing virtual objects
☐
5. None of the above

#17. What is the purpose of a memory hierarchy in computer architecture?

☐
1. To confuse computer users
☐
2. To slow down data processing
☐
3. To manage different types of memory
☐
4. To reduce memory access time
☐
5. None of the above

#18. What does the term “bus width” refer to in computer systems?

☐
1. The length of a bus
☐
2. The speed of a bus
☐
3. The number of bits that can be transferred in parallel
☐
4. The capacity of a bus
☐
5. None of the above

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

☐
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

#20. What is the purpose of the arithmetic logic unit (ALU) in a CPU?

☐
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

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