

11. During a write operation if the required block is not present in the cache then_____
occurs.
 - a. Write miss
 - b. Write latency
 - c. Write hit
 - d. Write delay
12. The bit used to indicate whether the block was recently used or not is_____
 - a. Reference bit
 - b. Dirty bit
 - c. Control bit
 - d. Idol bit
13. Which one of the following is not a valid classification of Computer Architecture?
 - a. SISD
 - b. MISD
 - c. DISD
 - d. MIMD
14. In RAID technology, Striping technology is used in_____
 - a. Level 0
 - b. Level 1
 - c. Level 3
 - d. Level 6
15. In the client server model of the cluster _____approach is used.
 - a. Load configuration
 - b. FIFO
 - c. Bankers algorithm
 - d. Round robin
16. The CISC stands for_____
 - a. Computer Instruction Set Compliment
 - b. Complete Instruction Set Compliment
 - c. Computer Indexed Set Components
 - d. Complex Instruction set computer
17. The iconic feature of the RISC machine among the following is_____
 - a. Reduced number of addressing modes
 - b. Increased memory size
 - c. Having a branch delay slot
 - d. All of the mentioned
18. Pipe-lining is a unique feature of_____
 - a. RISC
 - b. CISC
 - c. ISA
 - d. IANA
19. Two level memory is a principle known as_____
 - a. Direct Memory Access
 - b. Associative memory
 - c. Locality of Reference
 - d. Virtual memory
20. The multiplier is stored in_____
 - a. PC Register
 - b. Shift register
 - c. Cache
 - d. None of the mentioned

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(Descriptive)

Time : 2 hr. 30 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. Explain with the help of block diagram of Pin Configuration of the 8085 microprocessor architecture. 10
2. a) Explain Edge Triggered Flip Flop with block diagram. 5+5=10
b) What is micro-program? Write down three examples of Logic and Shift micro-operations.
3. a) Given A= 10110 B= 10010 , then compute Ax B with suitable algorithm. 5+5=10
b) What is interrupt signal? What are different interrupt signal available? Explain.
4. a) What is control word? Explain with example how a computer executes instructions with relevance to control word. 5+5=10
b) Write an Assembly program to add two numbers.
5. a) Explain briefly about the functionality of 8089 IOP. 5+5=10
b) What is peripheral? Write down the role on interface unit in IO devices.
6. List 10 instructions from the instruction set supported by 8085 microprocessor with their syntax and purposes. 10
7. a) What is pipeline processing? Explain with a suitable example. 5+5=10
b) Realize a Full adder using two Half adder circuits.
8. Write short notes on: (any two) 5+5=10
 - a) Infiniband
 - b) Firewire
 - c) Superscaler processor

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