

SECTION-B

2. Explain Interrupt and DMA mode for I/O access.
3. Explain booth multiplier in detail.
4. Explain in brief :
 - a. Accumulator machine
 - b. Stack machine
5. Explain components of instruction cycle.
6. Discuss PC relative and Base register addressing mode

SECTION-C

7. Explain various stages in instruction pipelining. Discuss in detail methods to handle Data hazards.
8. Explain below page replacement algorithms with examples :
 - a. FIFO
 - b. LIFO
 - c. Least recently used
 - d. Optimal Page replacement
9. Give the hardware organization of associative memory. Why associative memory is faster than other memories? Deduce the logic equation used to find the match in the associative memory.

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