



8. What are the differences between RISC and CISC processors ? Explain the concepts of sequential processing pipelining and parallel processing with example. What are the elements of a machine instruction ? What is meant by memory access time ? $4 + 6 + 3 + 2$
9. What are 16-bit registers available in 8085 microprocessor ? Write about them. What is 'bootstrap loader' program stored in ROM and not in RAM ? What are the elements of machine instruction ? $2 + 3 + 5 + 5$
10. What is interrupt ? What is the difference between primary and secondary storage devices ? What is stack ? What is flag ? What is the disadvantage of microprocessor ? What is the difference between microprocessor and the microcontroller ? $2 + 4 + 2 + 2 + 2 + 3$
11. Write short notes on any *three* of the following : 3×5
- a) Vector Processing
 - b) Paging
 - c) DMA controller
 - d) Cache memory
 - e) 4 in 1 multiplexer.
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