

VPMP Polytechnic
Department of Computer Engineering
Computer Organization and Architecture (4350701)
IMP Questions

1. Explain Basic CPU Structure.
2. Explain characteristics of Intel Processor from 4004 to i7.
3. Explain Various Registers used in CPU with its applications.
4. Explain types of buses used in CPU.(Unit 1)
5. Draw and explain the internal architecture of 8085.
6. Draw the PIN DIAGRAM of 8085 & explain the detail of each pin.
7. Discuss the bus organization of 8085.
8. Explain flag registers of 8085.
9. Explain registers organization of 8085.
10. Define following terms: Instruction, Machine Cycle, Opcode, Operand & Instruction Cycle.
11. Explain memory read and Write operation with help of timing diagram.
12. Explain the classification of instructions of 8085 on the basis of their operation
13. Explain the Data transfer instructions of 8085 with example.
14. Explain the Arithmetic instructions of 8085 with example.
15. What is stack? Explain stack related instruction with example.
16. Explain Subroutine with CALL and RET Instruction.
17. Explain the addressing mode of 8085.
18. Explain Memory classification
19. Explain RAM And ROM.
20. Explain PROM, EPROM and EEPROM.
21. Explain Associative Memory.
22. Explain cache memory with performance parameters and writing techniques.
23. Explain Cache mapping Techniques.
24. Explain auxiliary memory.
25. Explain Virtual Memory.
26. Explain I/O Interface.
27. List out modes of Data Transfer and explain Direct Memory Access(DMA)
28. Explain Programmed I/O and Interrupt initiated I/O.
29. Explain Input-Output Processor (IOP).
30. Explain CPU-IOP Communication.