

NOVEMBER 2021

50417/SAE5C

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is interconnection structure?
2. What is PCI ?
3. What is locality of reference?
4. List the types of DRAM.
5. What are the physical characteristics of disk system?
6. What is RAID.
7. What are the three categories of external devices?
8. What is ALU?
9. List any four characteristics of large- register file.
10. What is pipelining?

11. What is microoperation?
12. List the basic tasks performed by micro programmed control unit.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain briefly the evolution of Pentium processors.
14. Explain the computer components and the interaction among them.
15. Explain briefly the types of ROM
16. Compare static RAM and dynamic RAM
17. List and explain the x86 addressing modes.
18. Compare RISC and CISC.
19. Explain the basic concepts of microprogrammed controls.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. List and explain two approaches to dealing with multiple interrupts.
21. Write a brief note on
 - (a) optical memory
 - (b) magnetic tape.
22. Describe in detail the working of DMA with a block diagram.
23. Explain the organization of registers with a block diagram.
24. Explain the organization of intel 8085 with a block diagram.
