

UNIT-IV

S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
1	What is microprogrammed control ? Explain its advantages.	L1	CO4	PO1
2	Explain the organization of control memory .	L1	CO4	PO2
3	What is address sequencing in a microprogrammed control unit?	L1	CO4	PO1
4	Explain a microprogram example .	L1	CO4	PO1
5	Explain the basic steps involved in the design of a control unit .	L1	CO4	PO1
6	Explain General Register Organization of a CPU.	L1	CO4	PO2
7	What are instruction formats ? Explain their types.	L1	CO4	PO2
8	Explain different addressing modes with examples.	L1	CO4	PO1
9	Explain data transfer and data manipulation instructions .	L1	CO4	PO1
10	Explain floating-point arithmetic operations .	L1	CO4	PO2
Part – B (Long Answer Questions)				
11	Explain microprogrammed control and the organization of control memory in detail.	L2	CO4	PO2
12	Explain different address sequencing techniques used in microprogrammed control.	L3	CO4	PO3
13	Explain a microprogram example with suitable control memory organization.	L2	CO4	PO3
14	Explain the design of a microprogrammed control unit in detail.	L2	CO4	PO2
15	Explain General Register Organization of a CPU with a neat diagram.	L2	CO4	PO2
16	Explain different instruction formats and addressing modes with suitable examples.	L2	CO4	PO2
17	Explain data transfer, data manipulation and program control instructions .	L3	CO4	PO3
18	Explain addition and subtraction algorithms for computer arithmetic.	L2	CO4	PO3
19	Explain multiplication and division algorithms with suitable examples.	L2	CO4	PO2
20	Explain floating-point arithmetic operations and decimal arithmetic operations in detail.	L3	CO4	PO3

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