

<u>UNIT-III</u>				
S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
1	Define Register Transfer Language (RTL) and explain its importance.	L1	CO3	PO4
2	Explain register transfer with suitable RTL notation.	L1	CO3	PO4
3	What is a bus ? Explain bus transfer.	L1	CO3	PO5
4	Explain memory transfer operations using RTL.	L1	CO3	PO5
5	Explain different types of arithmetic microoperations .	L2	CO3	PO3
6	Explain different logic microoperations with examples.	L1	CO3	PO4
7	Explain different types of shift microoperations .	L1	CO3	PO3
8	What is an Arithmetic Logic Shift Unit (ALSU) ?	L1	CO3	PO2
9	Explain the different computer registers used in the Basic Computer.	L1	CO3	PO4
10	Explain the instruction cycle of a Basic Computer.	L1	CO3	PO3
Part – B (Long Answer Questions)				
11	Explain Register Transfer Language, register transfer, bus transfer and memory transfer in detail.	L2	CO3	PO2
12	Explain different arithmetic microoperations with suitable examples and hardware implementation.	L2	CO3	PO3
13	Explain different logic microoperations and their applications.	L3	CO3	PO3
14	Explain shift microoperations and their types with suitable diagrams.	L2	CO3	PO2
15	Explain the design and operation of an Arithmetic Logic Shift Unit .	L3	CO3	PO3
16	Explain the Basic Computer organization and design with a neat block diagram.	L2	CO3	PO2
17	Explain different instruction codes and computer registers used in the Basic Computer.	L3	CO3	PO3
18	Explain the timing and control unit and generation of timing signals.	L3	CO3	PO3