

UNIT-I

S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
1	Explain different types of binary codes with suitable examples.	L1	CO1	PO1
2	Explain binary storage and registers in a digital computer.	L1	CO1	PO1
3	Explain the basic operations of Boolean algebra .	L1	CO1	PO1
4	Explain the different types of digital logic gates with truth tables.	L1	CO1	PO2
5	Differentiate between AND, OR and NOT gates .	L1	CO1	PO1
6	Explain different data types used in digital computers.	L1	CO1	PO2
7	Explain 1's complement and 2's complement representation.	L1	CO1	PO1
8	Explain fixed-point representation with an example.	L1	CO1	PO1
9	Explain floating-point representation .	L1	CO1	PO1
10	Differentiate between Computer Organization, Computer Design and Computer Architecture .	L1	CO1	PO2
Part – B (Long Answer Questions)				
S.No	Questions	BT	CO	PO
11	Explain Boolean algebra and its fundamental laws with suitable examples.	L2	CO1	PO2
12	Explain different logic gates with symbols, Boolean expressions and truth tables.	L2	CO1	PO3
13	Explain binary codes and their different types with suitable examples.	L2	CO1	PO1
14	Explain binary storage and registers in detail with suitable diagrams.	L2	CO1	PO2
15	Explain different data representation techniques used in digital computers.	L2	CO1	PO2
16	Explain complements and their representation with suitable examples.	L3	CO1	PO3
17	Explain fixed-point and floating-point representation in detail and compare them.	L3	CO1	PO3
18	Draw and explain the block diagram of a digital computer .	L3	CO1	PO2
19	Define a computer and explain its major functional units.	L2	CO1	PO1
20	Explain in detail the difference between Computer Organization, Computer Design and Computer Architecture .	L3	CO1	PO2