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SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the characteristics of octal and hexadecimal numbers.	K2	CO1
	(OR)			
	11.b.	Describe compliments and its types with suitable example.		
2	12.a.	Analyse the working principles of canonical forms.	K4	CO2
	(OR)			
	12.b.	Inspect the characteristics of AND, OR and NOT gates.		
3	13.a.	Identify the working pattern of full adder with diagram.	K3	CO3
	(OR)			
	13.b.	Develop the procedure to identify the internals of decoder with diagram.		
4	14.a.	Construct the truth table for SR flip-flop and explain the table with circuit diagram.	K3	CO4
	(OR)			
	14.b.	Demonstrate the working principles of ripple counters.		
5	15.a.	Examine the hierarchy of memory.	K4	CO5
	(OR)			
	15.b.	Analyse auxiliary memory with diagram.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Analyse any two binary codes with suitable example.	K4	CO1
2	17	Examine the principles of k-map and don't care condition with suitable example.	K4	CO2
3	18	Inspect the functions of subtractors with example.	K4	CO3
4	19	Analyse shift register with neat diagram.	K4	CO4
5	20	Evaluate the working principles of cache memory.	K4	CO5

Z-Z-Z

END