

Common to branches - **COMPUTER SCIENCE/ INFORMATION TECHNOLOGY/COMPUTER TECHNOLOGY/ COMPUTER SCIENCE WITH DATA ANALYTICS**

Cont...

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.	Analyze the need of Indian numeral system.	K1	CO1
		(OR)		
	11.b.	Determine the encoding knowledge in ancient texts		
2	12.a.	Convert binary number 11011110 into its decimal equivalent.	K3	CO2
		(OR)		
	12.b.	Illustrate the different types of digital logic gates.		
3	13.a.	Show the operations of JK flip-flop with diagram.	K3	CO3
		(OR)		
	13.b.	Distinguish between the multiplexers and demultiplexers.		
4	14.a.	Discuss the general register organization with diagram.	K4	CO4
		(OR)		
	14.b.	Assume the memory hierarchy in a computer system.		
5	15.a.	State the characteristics of RISC.	K4	CO5
		(OR)		
	15.b.	Organize the content of registers in Pipeline		

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	Determine the logical reasoning in Indian philosophy.	K1	CO1
2	17	Convert the decimal number 100 into binary, and octal.	K3	CO2
3	18	Assess the 3-to-8 line decoder with neat diagram.	K3	CO3
4	19	Compare and construct the main memory and auxiliary memory.	K4	CO4
5	20	Demonstrate the general architecture of RISC Pipeline with diagram.	K4	CO5

Z-Z-Z END