Seat No. _____

BACHELOR OF COMPUTER APPLICATION Examination

BCA SEMESTER-2 APRIL 2025 (Regular) APRIL - 2025

CS-13: COMPUTER ORGANIZATION & ARCHITECTURE

Faculty Code : 017

Subject Code : 24CS-BCAP-SE-02-02001

Time : 1 Hours] **[Total Marks : 25**

Q.1 (A)	What is Logic Gates? Explain Universal gates in detail.	5
Q.1 (B)	State and explain De – Morgan's theorem in detail.	5
	OR	
Q.1 (A)	What is Flip-Flop? List different types of Flip-Flop and explain any one in detail.	5
Q.1 (B)	Explain K - map in detail.	5
Q.2 (A)	Draw and explain block diagram of ALU.	5
Q.2 (B)	Explain General Register Organization in detail.	5
	OR	
Q.2 (A)	What is Interrupt? Explain different types of Interrupt in detail.	5
Q.2 (B)	Explain Memory Stack in detail.	5
Q.3	Write a note on Input – Output Processor.	5
	OR	
Q.3	Explain Direct Memory Access Controller in detail.	5

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