JF-114 January-2021

B.C.A., Sem.-III

CC-201 : Computer Organization (New Course)

Max. Marks: 50

Time	:	2	Hours	١
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Instructions: (1) All Questions in Section I carry equal marks.

(2) Attempt any TWO questions in Section I.

(3) Question 5 in Section II is COMPULSORY.

Section - I

1.	(A)	List the different types of Gate, explain all in detail with diagram and Truth	
		Table.	10
	(B)	List the different types of Flip-Flops. Explain JK Flip-flop and T Flip-flop in	
		detail.	10
2.	(A)	Explain Bus Memory Transfer in detail with diagram.	10
	(B)	Explain Binary Adder and Binary Adder Subtractor in detail.	10
3.	(A)	Explain Common Bus System in detail with diagram.	10
	(B)	List the different types of Addressing Modes. Explain Immediate, Direct, Indirect	et
		and Register Indirect mode in detail.	10

(B) Explain Cache Memory, Main Memory and Associative Memory from Memory Hierarchy.

Explain I/O Bus System, Isolated and Memory-Mapped I/O in detail.

10

10

(A)