DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Winter Examination - 2022

	Course: B. Tech. Branch : Computer Science & Engineering		Semester :III		
	Subject Code & Name: (BTCOC304)Computer Architecture & Organization Max Marks: 60 Date: Duration: 3 Hr. Instructions to the Students: 1. All the questions are compulsory. 2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question. 3. Use of non-programmable scientific calculators is allowed. 4. Assume suitable data wherever necessary and mention it clearly.				
					Marks
Q. 1	Solve Any Two of t	he following.		(2000)	12
<u>д</u> . А)	The the different energy of the		Understand	6	
B)	Explain different types of memories with examples?		Remember	6	
C)	Explain with neat diagram computer components top- level view?		Analysis	6	
Q.2	Solve Any Two of t	he following.			12
A)) Explain different types of instructions sets.		Remember	6	
B)	Explain different add	tressing modes.GGSO	LUTION	Analysis	6
C)	Explain the architect	ure of RISC and CISC processo	r.	Understand	6
Q. 3	Solve Any One of th	ne following.			12
A)	Explain the function	of ALU.		Understand	6
B)			Synthesis	6	
C)	plement. What are the four ess tion?	sential elements of a number in a	floating-point nota-	Analysis	6
Q.4	Solve Any Two of th	ne following.			12
A)	Explain types of sem	iconductor memories technolog	ies.	Understand	6
B)	Explain memory hier	archy in computer system.		Remember	6
C)	Explain the working	of optical memory.		Understand	6
Q. 5	Solve Any One of th	e following.			12
A)	Explain Programmed	I/O module and Interrupt drive	n I/O.	Understand	6
B)	Explain Input/output	organization of computer system	n.	Remember	6
C)	Explain the Flynn's c	lassification.		Analysis	6

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