Seat No.: Enrolme			nt No	
Subier	BE	UJARAT TECHNOLOGICAL UNIVE - SEMESTER-IV (NEW) - EXAMINATION – SUM - 2140707		
•		e: Computer Organization		
•		AM to 01:00 PM	Total Marks: 70	
Instruct				
		mpt all questions. e suitable assumptions wherever necessary.		
		res to the right indicate full marks.		
			MARKS	
Q	.1	Short Questions	14	
	1	Define term RTL.		
	2	What is computer organization?		
	3 4	Define Term: Sequencer. Explain Immediate instruction.		
	<b>-</b> 5	Explain Delay load.		
	6	What is PSW (flag).		
	7	Define Assembler.		
	8 9	Give any three feature of CISC Explain term: Pipeline Conflict.		
	10	Explain Accumulator.		
	11	What is register stack?		
	12 13	Give three Advantage of CD-ROM. Explain Micro operation.		
	13	Define pseudo instruction.		
Q	<b>2.</b> (a)	Explain Gray Code.	03	
	<b>(b</b> )	Write note on memory interleaving	04	
	( <b>c</b> )	Explain Instruction cycle with flowchart.	07	
		OR		
	( <b>c</b> )	Explain first pass of an assemble with flowchart.	07	
Q	<b>2.3</b> (a)	Explain CLA, ISZ, INP instruction.	03	
	<b>(b)</b>	Compare SIMD and MIMD.	04	
	(c)	Explain control unit of basic computer and its working	07	
		with diagram.		
		OR		
Q	<b>9.3</b> (a)	Explain vector operation.	03	
	(b)	Explain Direct mapping cache.	04	
	(c)	Explain different addressing mode with example.	07	

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	<b>(b</b> )	Explain Daisy chain arbitration.	04
	(c)	Explain BCD Adder with its block diagram	07
		OR	
Q.4	(a)	Explain push and pop operation on stack.	03
	<b>(b</b> )	Compare SRAM and DRAM.	04
	(c)	Explain Booth's algorithm with flowchart.	07
Q.5	<b>(a)</b>	Explain parallel processing.	03
	<b>(b</b> )	Explain different types of Interrupts.	04
	(c)	Explain paging and address translation with example.	07
		OR	
Q.5	(a)	Explain subroutine call and return with micro-operation.	03
	<b>(b</b> )	Explain Flynn's classification of computer.	04
	(c)	Explain Inter-process communication	07

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