Reg.	No	•													
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		B.T	ech I	[Year	I Sen	nester				<i>,</i>	inatio	ns No	vember-2020		
				COM											
						(C	ommo	n to C	CSE &	CSI	[]				
Time: 3 hours Max. Marks:														s: 60	
									RT-A						
							all the	e Ques	stions	5 x 2 =	= 10 N	(arks)		2 M	
1															
		b What is Booth algorithm?													
	c Define hardwired control unit.d What is the role DMA in peripheral devices?												2M 2M		
	e What are characteristics of multiprocessors?													2M 2M	
PART-B														2 1 VI	
					(/	Answe	r all F	ive Ui			50 M	arks)			
					(-				NIT-I	0		,			
2	я	Ext	olain a	ubout I	nstruc	tion F	Execut			ith nea	nt diag	ram		5 M	
-			-	detail										5M	
						0			OR						
3	a	a What is Computer Registers and explain the types in it.													
	b	b Write in detail about Addressing Modes and its types.													
								U	NIT-I	Ι					
4	D	raw	the H	/W Flo	owcha	rt and	H/W	Algori	ithm fo	or Mu	ltiplica	ation f	for positive numbers	10M	
	W	with an suitable example.													
		OR													
5			-	Carry l										5M	
	b	Exj	plain I	Ripple	carry	adder	•			_				5M	
								l.	NIT-I	I				5M	
6		a Write about Bus transfer with neat diagram.													
	b	b Write out Register Representations and way it is used.													
-	_	D	. 1	1. a.u.4 4	1	-4-4- 1 -			OR	a4 a1ra	4.01.			6M	
7		a Explain about three- state bus buffers with neat sketch.b Write about binary increment with neat sketch.													
	U	VV I	ne abo	Jut DII		creme	in wi							4M	
0	W.	71	:	4		-9 D:a			NIT-F		. :			1014	
8	vv	nat	15 V Ir	lual M	emory	/ : Dis	cuss n	ow pa		leips n	n impi	emen	ting virtual memory.	10M	
9	0	Lia	t out o	omo d	ifform	hoog h	otwoo	η D Λ Ι	OR	OM				5M	
9		a List out some differences between RAM & ROM.b List out some differences between SRAM & DRAM.													
	U	UNIT-V													
10															
10		a Draw 8×8 omega switching network with explanation.													
	U	b Explain crossbar switch with neat sketch. OR													
11	D	efin	e haza	rds. E	xplain	in de	tail ah	out in		on haz	ards			10M	
					-1-1011			111		mar					
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