Reg	z. No:														
- 6	SIDDH	IARTI	H INS	TITU	JTE O	F EN	GINE	EERIN	IG & '	TECH	INOL	」 .OGY	:: PU]	TUR	
						(AU	TON	OMOL	JS)						
		B.Te	ech II	Year	I Sem	lester	Regu	lar Ex	amina	ations	Nov/	Dec 2	019		
			CON	APUT	ERO	RGAN	NIZA'	TION (& AR(CHITI	ECTU	RE			
Time	· 3 hours					(C	SE Q	e CSII	.)			М	ov Ma	rke 6	h
1 mile	. 5 110015						PAR	Т-А				1010	ал. IVI <i>a</i>	urs. ot)
				(Ans	wer al	l the C)uesti	ons 5 x	x 2 = 1	0 Mai	·ks)				
1	a Define MAR.													2 M	
	b Defin	b Define Fixed-point representation.													
	c What are the arithmetic micro operations?													2 M	
	d Differentiate between SRAM & DRAM.													2M	
	e Define pipelining.													2M	
				(•		11 5.	PAR	<u>T-B</u>	0 50)), 7 1	`				
				(An	swer a	II FIVE		S O X I	0 = 50) Mark	(S)				
•	TT <i>Tn</i> ² 4 -	1 4 T	.				UNI	1-1							~ 1 /
2	a write	bout i	xegiste netruo	ers.	ot										51VI 51
	D write	Jour	iistiuc	tion s	ει .		0	R							3111
3	Write in	detail	about	the F	unctio	nal Ur	nits of	Comp	uter w	vith ne	at dia	gram.			10M
•							UNI	Г-П				5- 4			201.2
4	a Write about hardwired control unit													4 M	
-	b Write the Booth multiplication algorithm and Draw the flowchart.													6M	
				1		U	0	R							
5	Show the	e step-	by-ste	p sigr	ned-op	erand	multi	plication	on pro	cess u	sing E	Booth a	algorit	hm.	10M
							UNI	Г -III							
6	Explain	about]	Micro	Progr	amme	d Con	trol w	ith nea	at sket	ch.					10M
						_	0	R							
7	a Show	that	the bl	ock (liagrai	ms of	the	hardwa	are th	at imp	oleme	nts th	e follo	owing	6M
	regist	er tran	sfer st	ateme	ent	P: R2	←KI.						4 dia au		4N.4
	D Expla	in the	way o	I cons	structin	ng a 4-			on dus	system	n with	i a nea	t diagr	am.	4111
ø	Describe	. 41	a of T		~~~	11	UNI					a t 1 -1 a .	ale dia a		101/
ð	Describe	e the us	se of L	JMA (contro	ners n	n a co	mpute P	r syste	m wit	n a ne	at diog	ck diag	gram.	TOM
9	a Expla	in abo	ut Mei	morv	Hierar	chv	U	IX							6M
,	b Explain about Memory Management Requirements.													4M	
	~			j	2	5	UNI	T-V							
10	a Expla	in abo	ut Para	allel F	rocess	sing ar	nd its	Types.							6M
	b Expla	b Explain the concept of Pipelining with clear example with neat sketch.													
	1			L	T	0	0	R	I						
11	a Write	about	hyper	cube	netwo	ork wit	h nea	t sketc	h.						5M
	b Write	about	multis	stage	netwo	rk witl	h neat	sketch	1.						5 M
						*	***EN	JD***							

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