

Reg.	No:															
SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR																
								OMOU	,			_				
	B.T	ech II \	ear II			<sup>·</sup> Supj PUTE					tions	6 O(	ctobe	er-202	20	
						ommo										
Time:	3 hours												Max.	Marks	s: 60	
				(A	Inswei	all Fi			12 =	60 Ma	arks)					
		. ~		_				IT-I								
1		What is Computer Instructions and Explain about it?														6M
	b Wr	Write about Memory-Reference-Instruction. <b>OR</b>													6M	
2	a Wr	ite in de	tail ah	out th	e Bas	ic One	-	-	icents	with 1	neat di	iaor	am			6M
-	<ul><li>2 a Write in detail about the Basic Operational Concepts with neat diagram.</li><li>b What is Computer Registers and explain the types in it.</li></ul>														6M	
			г	0			- <u> </u>	IT-II								~~~
3	<b>a</b> Wr	ite H/V	V Algo	orithn	n for	Multi			r posi	itive	numbe	ers	with	a sui	itable	<b>8M</b>
		mple.	U			1	L		I							
	<b>b</b> Dra	w the H	I/W Fl	lowch	art for	positi	ve nu	mbers.								<b>4M</b>
								)R								
4	-	• Explain the logic behind carry - look ahead addition with its circuit diagram.											7M			
	<b>b</b> Explain the logic behind High level generate and propagate function circuit diagram.														gram.	5M
								T-III				-		_		
5		ow that			-		e hard	ware t	hat im	pleme	ents th	ne fo	ollowi	ing reg	gister	6M
		nsfer sta					tructi	na a	1 line	e con	mon	hu	e eve	tem	usina	6M
<b>b</b> Explain about the way of constructing a 4 line common bus system us multiplexers with a neat diagram.												using	UIVI			
	mu	прихо	is with	i u neu	u ulug	runn.	(	)R								
6	<b>a</b> Wr	ite abou	t Bus t	transfe	er witl	n neat	diagra	ım								5M
	<b>b</b> Wr	ite out I	Registe	er Rep	resent	ations	and v	vay it i	s used	l.						<b>7M</b>
							UN	IT-IV								
7	<b>a</b> Lis	t out so	me diff	ferenc	es bet	ween l	RAM	& RO	M.							6M
	<b>b</b> Lis	t out so	me diff	ferenc	es bet	ween S			RAM.							6M
0	-	1 • •				1	(	)R								01
8	-	olain ab		•		•	at Da		onto							6M
	D Ex]	Explain about Memory Management Requirements.												6M		
Ω	a De	ine nor	ollol ~	roaac	ainan	How			ieve	norall	al mro	0.000	oina .	with a	ingle	614
9	a Dei CP	fine par	aner p	noces	sing (	пом	one c	an aci	neve	parall	ei pro	ces	sing	witti S	mgie	6M
															6M	
							-	)R	-							~~~
10	<b>a</b> Lis	t out the	e confli	icts in	pipel	ining a	and ex	plain a	about	it.						6M
	<b>b</b> Exp	<b>b</b> Explain about 4-segment Instruction Pipeline with neat diagram.											6M			

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