Q.P. Code: 16MC802															R16
Red	J.	No.													
	SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS) MCA I Year I Semester (R16) Supplementary Examinations June 2017														
		MCA	A I Yea	ir I Se		-	-			-		natio	ons Ju	ne 201	7
Time	y. ?	3 hours	\$		(FOR St	udents	saam	tted in	2016	oniy)			Max. M	arks:60
		, no un			(Ansv	ver al	l Five	Units	5 X 1	2 = 6	0 Mai	ˈks)			
								UNI							
1	1 a Explain about half and full adder. Construct NAND and NOR gates with half- adder. 6N														
^b Explain the features of various types of flip-flops, with suitable illustrations.													6M		
		Ехріа	in the r	eature	S 01 V2	ulous	types			, with	suitat	ne mu	stration	18.	6M
2		XX 71 (1	1		0		1					
2	a	What	is mean	n by d	ecoder	and c	onstru	ict a 2	x4 dec	coder.					6M
	b	Write	a 4-bit	gray	code, g	give th	e adva	antage	s and	applic	ations	of gra	ay code		
															6M
3		11.71				. 1		UNI		CT.			C		
3			is the ii ry map	-	ance of	t cache	e men	nory a	nd brie	efly ex	plain	the typ	pes of		12M
		memo	ry map	pmg.				0	D						1211
4		Briefl	ly expla	ain the	desig	n of co	ontrol	-	N						12M
		Dileii	iy expr		acoig		/1101	unne.							12111
								UNI	-III						
5		-	in abou			oler di	rective	es.							7M
	b	Descr	ibe Dat	a Trai	nsfer										5M
								0	R						
6		Expla	in abou	ıt addı	ressing	mode	s. Wit	th exa	mple						12M
								UNI							
7	a	Write	a short	notes	on:Pr	ogram			-1 V						6M
			a short			-			Ό						6M
								0	R						
8		What	is DMA	A? Exp	plain D	MA c	ontro	ller wi	th a b	lock d	iagran	1.			12M
								T TN TT	F X7						
9		What i	s pipeli	ne pro	cessin	59 Ext	olain I	UNI'		inelini	no wi	th exa	mnle		12M
,		,, nut I	- ripen	ne pro		5. D AI				-P*IIII		0/14	p-10-		
10		Evolo	in abou	t intor	nroce	cont or	hitrot	O ion ter							12M
10		Expia	in abou	i mer	proce	5501° al	onrat		uniqu	105.					I∠IVI
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