Q.P. Code: 18CS0	505							R18
Reg. No:]	
	TH INSTITUTE	OF ENGI	NEERIN	G &	TECHI	NOL	OGY:: PUTTU	JR
DTaah	II Voor I Som oot		NOMOL	/	• .•	D	1	
B. I ech	II Year I Semeste COMPUTER O							
		Common to						
Time: 3 hours							Max. 1	Marks: 60
			PART-A		10.14	1 \		
		r all the Qu	uestions 5	$5 \times 2 =$	= 10 Ma	arks)		
 a What is data transfer instructions. b Draw the diagram for addition and subtraction of signed numbers. 								2N
b Draw the diagram for addition and subtraction of signed numbers.c Draw the 4-bit incrementer.								2N
								2N
d Explain the concept of page replacement algorithm.e What are the classifications of parallel processing?						2N		
e what are the	nassifications of pa		PART-B					2N
	(Answe	er all Five		10 =	50 Mar	·ke)		
			UNIT-I	. 10	50 10101	K 5)		
a What is Com	outer Instructions a		Contraction of the state of the	?				6N
b Write in detail about Program Control Instructions.							4N	
	C		OR					
a Explain about	Instruction Execut	tion Cycle	with near	t diag	ram.			5M
b Write in detai	l about the Basic O	perational	Concept	s with	n neat di	iagra	m.	5M
		Γ	UNIT-II					
Explain the logic	behind carry look-a	ahead adde	er with its	s circu	uit diagr	am.		10N
			OR					
Draw the H/W Flo	owchart and write a	algorithm f	for Divisi	on re	storing	with	an example.	10N
		τ	JNIT-III					
a Explain about	three- state bus bu	ffers with	neat sket	ch.				5M
	inary increment wi							5M
			OR					
Explain about Ad	dress Sequencing v	with neat d	iagram.					10N
		τ	JNIT-IV					
What is Main Me	mory and what are	the types i	n it, Exp	lain ii	n detail.			10N
			OR					
What is Cache Me	emory? Explain in	detail map	ping fund	ctions				10N
		ក	UNIT-V					
a Define paralle	l processing. How	one can ac	chieve pa	rallel	process	sing v	with single	5M
CPU.			Ĩ		•	0	C ·	
b Explain about	characteristics of N	Iultiproce	essor.					5M
			OR					
a Draw 8×8 om	ega switching netw	ork with e	xplanatio	on.				5M
	par switch with near							5M

END