R	egis	tration No :													
Tota	al Nu	ımber of Pages	: 02												B.Tech.
8 th Semester Regular / Back Examination 2017-18 PARALLEL AND DISTRIBUTED SYSTEM BRANCH: CSE Time: 3 Hours Max Marks: 70 Q.CODE: C555 Answer Question No.1 which is compulsory and any five from the rest. The figures in the right hand margin indicate marks. Answer all parts of a question at a place.															
Q1	a) b) c) 2d) e) f) g) h) i)	Answer the foll What is a distrib What is the diffe Mention the sco Define logical of system? What is parallel What is arc confine Describe the wo What is the diffe What do you me Define VLIW? We	uted s rence pe of p clock? randor nectivit rking p rence ean by	yster betwoaral Mer m ac ty an orinci betwoall to	m? Mayeen Une lel contion cess d bise iple or veen all p	entior JMA: mputi the s mach ection f work adapt erson	and N ng? signific ine? I width k pool ive ro nalized	IUMA cance Mention? mode uting	? of leading to the control of the c	ogical e varid	l cloc ous s	ck in ubcla	distrib	ute <u>d</u> 。	(2 x 10)
Q2	a) b)	Define Routing? Describe the routing mechanisms for interconnection network? What do you mean by parallel platform? Describe the physical organization of parallel platform?									(5) (5)				
Q3	a) b) ₂₁₀	Explain one to all broadcast and all to one reduction with example? Describe the various mapping techniques for load balancing in parallel algorithm design?								rithm 210	(5) (5)				
Q4	a) b)	What do you mean by parallel algorithm models? Why we need these models? Describe the producer consumer model in detail? What do you mean by circular shift? Explain it with suitable example?										lels?	(5) (5)		
Q5	a) 210 b)	What do you me metrics of parall Define minimal Describe how it	el syst execu	ems'	? 210 time a	and m	ninimı	210 um cc	st op	timiza	210 ation			210	(5) (5)
Q6	a)	What do you me be evaluated us	•		•		aralle	l syst	em? I	Expla	in ho	w sca	lability	can	(5)

(5)

b) Explain directory based system to achieve parallel system?

10	2	210	210	210	210	210	210	210
10		b)	Describe the desirab Describe send and r suitable example in p	eceive operations i parallel system?			(5 x (5 x)	210
		a)	Matrix vector multipli Effect of granularity of Scatter and gather Communication costs	cation on performance of p			`	,
10	Ź	210	210	210	210	210	210	210
10	,	210	210	210	210	210	210	210
10	2	210	210	210	210	210	210	210
10	2	210	210	210	210	210	210	210
10	2	210	210	210	210	210	210	210
110	2	210	210	210	210	210	210	210