## BE CCE). SEM: VIII (BG)

Q.P. Code: 735400

	(3 Hours) [Total I	Marks: 80
N.B.:	<ol> <li>Question No. 1 is Compulsory</li> <li>Attempt any three questions out of remaining five questions.</li> <li>Assume suitable data wherever required but justify the same.</li> <li>Assumption made should be clearly stated.</li> </ol>	8
1. (a) (b)	What is the basic task of scheduler? Define i) Latency, ii) Init	5 iation 5
(c) (d)		5 5
2. (a) (b)	collected. Loads/Store are 10%, Integer add/sub 15%, FP ad 50%, FP multiply divide 5% and others 5% and branches 15% clock cycles consumed by these instructions are: Loads 2, Intege sub 1, FP add/sub 5, FP multiply/divide 20, others 1. Find component of the architecture requires enhancement first, incorporating the enhancement which makes clock cycles require as 2. Find the overall Speedup?	ld/sub  The r add/ which After ments
3. (a) (b)		
4. (a)	Consistency Models. Explain one model of each.	entric 10
(b)	Explain stream offented communication with surface example	1 (

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5.	(a)	Explain the distributed algorithms for Mutual Exclusion? What are the advantages and disadvantages of it over centralized algorithms?	10
	(b)	Write a Suzuki-Kasami's Broardcast Algorithm. Explain with example.	10
6.	(a)	Compare Load sharing to task assignment and Load balancing strategies for scheduling processes in a distributed system.	10
	(b)	What are the desirable features of good distributed file systems? Explain file sharing semantic of it.	10
		v.	