[Max. Marks : 80

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Eighth Semester B. E. (Information Technology) Examination PARALLEL PROCESSING

Elective - II

	N.	В.	: (1) Same answer book must be used for both sections.					
			(2) All questions carry marks as indicated.					
			(3) Answer Three questions from Section A and					
		+	Three questions from Section B.					
			(4) Due credit will be given to neatness and adequate dimensions.					
			(5) Assume suitable data wherever necessary.					
	100		(6) Illustrate your answers wherever necessary with					
			the help of neat sketches.					
			SECTION A					
1.		(a)	Define parallel processing. How are parallel					
		(-)	computer architectures classified ? 7					
	(b) Explain instruction level and thread level para							
		(0)	lism. 6					
2.		(a)	Write short notes on hierarchical memory in a					
		, ,	parallel processing system. 7					

processing in detail.

3.

Time: Three Hours]

(b) Explain virtual to real page address translation in paged memory system with neat diagram. 7

(a) Explain classification schemes for pipeline

cation and synchronization? Discuss the various issues involved in brief.

(b) What are various performance measures for parallel algorithms?

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9.	(a)	Comment	on	characteristics	of	multiprocesso
		architecture				- 4

Write short note on crossbar switch interconnection network.

(a) Compare control flow and data flow computers.

(b) Explain static data flow computer in detail.

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