## M.C.A. (Semester – V) (Management Faculty) Examination, 2010 ITE – 7 : PARALLEL COMPUTING (2005 Pattern) (Elective)

Time: 3 Hours		Max. Marks: 70
Instructions	<ol> <li>Question No. 1 is compulsory.</li> <li>Solve any four questions from 2 to 6.</li> <li>Assume suitable data wherever necessary.</li> <li>Draw suitable diagram wherever needed.</li> <li>Figures to the right indicate full marks.</li> </ol>	
<ul><li>a) Grid cor</li><li>b) Cluster of</li></ul>	computing Virtual Machine	(2×5=10)
	y two applications of parallel processing. ne primary-attributes used to measure the performant system?	nce of a parallel
· · · · · · · · · · · · · · · · · · ·	arallel algorithms analyzed? Explain each of them. of data structures are used for parallel algorithms? D	7 viscuss in detail. 8
a) Vector proc	contrast the following: cessing and Array processing pipelines and Arithmetic pipelines.	(7+8)
	between control flow computing concept and data freezample of each.	low computing 15
array using b) Write a prog	ared memory program for parallel systems, to add eg two processors.  I gram for PVM (parallel virtual machine), to give a less spawned program.	7

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