Total No. of	Questions	:6]
--------------	------------------	-----

P156

APR. -16/BE/Insem. - 80

[Total No. of Pages :1

B.E. (Computer Engineering) HIGH PERFORMANCE COMPUTING (2012 Pattern) (410450) (Semester - II)

		[Max. Max. Max. Max. Max. Max. Max. Max.	rks :30
	1) 2) 3)	ions to the candidates: Answer any three questions. Neat diagrams must be drawn wherever necessary. Assume suitable data if necessary.	
Q1)	a)	Explain Control structure of Parallel Platforms in detail.	[4]
	b)	Explain basic working principal of Super scalar processor. OR	[6]
Q2)	a) b)	Differentiate between write - Invalidate and Write - Update Protoc	
Q3)	a) b)	Explain Recursive Decomposition with suitable example. Explain Graph partitioning with suitable example.	[5] [5]
<i>Q4</i>)		OR	
<u>(</u> 24)	a) b)	Differentiate between spatial and temporal locality of reference. I application where it is useful. Write a note on NVIDIA Tesla GPU.	[6] [4]
	ĺ		
Q5)	a)b)	Illustrate MPI routines. Write note on: Topologies and Embedding.	[4] [6]
		OR	
Q6)	a)	Explain Non-Blocking communications using MPI.	[4]
	b)	What are principles of Message Passing Programming.	[6]

