Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## **BE - SEMESTER-VII EXAMINATION - SUMMER 2016**

Subject Code:170704		Date:18/05/2016		
Tiı	me:0: truction 1.	Attempt all questions.  Make suitable assumptions wherever necessary.	Total Marks: 70	,
Q.1	(a) (b)	Define Cluster Computing. Explain its architecture in detail. Explain the scalable parallel computer architecture in detail.	0	
Q.2	(a) (b)	Explain in detail the various steps involved in establishing a clu Explain the flexible load sharing algorithm in detail.	uster. 0	
	<b>(b)</b>	Define Grid Computing. Explain its applications in detail.	0	7
Q.3	(a) (b)	Explain important role of cluster middleware. Explain in detail about cloud work load.	0	
Q.3	(a) (b)	OR  Explain important role of grid middleware.  Explain in detail the role of virtual organization in grid comput	ing. 0	
Q.4	(a) (b)	Define cloud computing and explain its features in detail. Explain I-WAY project in detail.	0	
Q.4	(a) (b)	OR Explain in detail IAAS and PAAS. Also show difference betwee Explain model of SAAS in detail.	een them. 0	
Q.5	(a) (b)	Explain important characteristics of cloud data center.  Discuss about Cluster of SMPS.  OR	0	
Q.5	(a) (b)	Compare traditional and cloud data center on cost factor.  Explain the service oriented model of third generation of grid in	0 n detail.	

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