GUJARAT TECHNOLOGICAL UNIVERSITY

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BE - SEMESTER-VII (OLD) - EXAMINATION – SUMMER 2017 Subject Code: 170704 Date: 06/05/2017 Subject Name: Advance Computing Technology			
 Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 			
Q.1	(a)	Write Short Note on Cluster Computing Architecture.	07
	(b)	Explain Resource Management and Scheduling in Cluster Computing.	07
Q.2	(a)	Explain various commodity components of cluster.	07
c	(b)	Explain the limitation of cloud computing.	07
	(b)	OR Explain Platform as a Service in Cloud Computing.	07
Q.3	(a)	Describe the features of cloud computing.	07
	(b)	Explain the cost factors in cloud data center.	07
Q.3	(a)	OR Discuss security points with respect to Data Location on the cloud and Transfer of data in cloud.	07
	(b)		07
Q.4	(a)	Write Short Note : Third Generation of Grid Computing	07
	(b)	Explain the Fabric layer and the connectivity layer of grid architecture. OR	07
Q.4	(a)	Explain InterGrid Protocol.	07
	(b)	Explain how grid computing is related with other technology.	07
Q.5	(a)	Explain building block in grid computing.	07 07
	(b)	How security aspects are observed in cluster computing? Explain in detail. OR	07
Q.5	(a)	Write Short Note : Programming tools of Cluster	07
	(b)	Differentiate public cloud and private cloud.	07
