Seat No.:	
No.	

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VII(OLD) • EXAMINATION – WINTER 2016

Sul	bject	Code: 170704 Date: 25/11/2016	
Tir	_	Name: Advance Computing Technology 0:30 AM to 01:00 PM Total Marks: 70	
	1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Explain Single System Image in Cluster Computing? Explain High Availability Cluster and Load-balancing Cluster.	07 07
Q.2	(a) (b)	Explain key characteristics of Scalable Parallel computers in cluster computing. Explain Software as a Service in Cloud Computing. OR	07 07
	(b)	Explain Infrastructure as a Service in Cloud Computing.	07
Q.3	(a) (b)	Discuss the cloud risks factors. Explain the Cloud Computing architecture with diagram. OR	07 07
Q.3	(a) (b)	What are the elementary steps must be taken before migrating application into cloud? What are the requirements of Cloud Data Center?	07
Q.4	(a) (b)	Write Short Note: Applications of Grid Computing Explain Cross Site Trust Management in Grid Computing. OR	07 07
Q.4	(a) (b)	Explain layers of Grid Architecture. Explain limitations of Grid computing.	07 07
Q.5	(a) (b)	Define Grid Computing. Explain building block in grid computing. Explain Cluster Classification in detail.	07 07
Q.5	(a) (b)	OR Explain Resource Management and Scheduling in Cluster Computing. Explain Types of Cloud with proper example.	07 07
