Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. - SEMESTER - VII • EXAMINATION - WINTER 2012

Subject code: 170704 Date: 27/12/2		,	
•		Name: Advanced Computing Technology	
		0.30 am - 01.00 pm Total Marks: 70)
Insti	ruc	tions:	
	2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)		07 07
Q.2	(a)	What is Cloud computing? What is significance of Cloud Computing? Compare Cloud Providers with Traditional IT Service providers.	07
	(b)		07
	(b)		07
Q.3	(a)	Why cluster tuning is performed? Explain different policies used for load balancing.	07
	(b)	Explain in detail Grid Computing architecture with diagram and components detail.	07
Q.3	(a)	OR Why Grid is consider as next generation internet? How Grid provides	07
Q.S	(a)	restricted access to resources?	07
	(b)	Define Grid Computing, Explain Condor middleware in detail.	07
Q.4	(a)	Explain FLS algorithm for resource sharing in detail along with its analysis.	07
	(b)	-	07
Q.4	(a)		07
Q.4	(b)	e	07
Q.5	(a)	Explain working of Cloud. Differentiate and compare: Public cloud, Private Cloud and Hybrid cloud.	07
	(b)	Define term workload in Cloud computing. Explain types of workload in cloud with their characteristics.	07
0.5	(~)	OR Evaloin model of SeeS in detail Evaloin case of significance of	Ω7
Q.5	(a)	Explain model of SaaS in detail. Explain case of significance of salesforce.com in SaaS	07
	(b)		07