Seat]	No.: _	Enrolment No.	
GUJARAT TECHNOLOGICAL UNIVERSITY			
M. E SEMESTER – II • EXAMINATION – SUMMER • 2014 Subject code: 2725105 Date: 23-06-2014			
Subject code: 2725105Date: 23-06-2014Subject Name: Storage Area Network			
-	Time: 02:30 pm - 05:00 pm Total Marks: 70		
Instructions:			
		Attempt all questions. Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks.	
Q.1	(a)	Write a short note on : Data Centre Cluster	07
	(b)	Compare merits and demerits of NAS and SAN	07
		r	-
Q.2	(a)	How many ways SAN has changed Information Processing? Explain each	07
	(L)	one in brief.	07
	(b)	Explain Fibre channel topologies. OR	07
	(L)		07
	(b)	Explain the Fibre channel layered architecture.	07
Q.3	(a)	Compare the merits and demerits of synchronous and asynchronous	07
C		replication	
	(b)	Write a short note on : Mirroring	07
		OR	
Q.3	(a)	Explain types of data replication techniques.	07
	(b)	Explain the central metadata cluster file system.	07
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Q.4	(a)	Explain the NAS hardware architecture.	07
	(b)	Explain the NAS software architecture.	07
~ .		OR	. –
Q.4	(a)	Explain the SAN hardware architecture.	07
Q.4	(b)	Explain the SAN software architecture.	07
Q.5	(a)	Explain in brief with respect to SAN : (i) Cascading Configuration	07
Q.3	(a)	(ii) Meshed Configuration	07
	(b)	Explain in brief with respect to NAS : (i) Appliance/Departmental	07
		Configuration (ii) Enterprise/Data Centre Configuration OR	
Q.5	(a)	Explain in brief the network management tasks with respect to SAN	07
Q.J	(a) (b)	Explain in brief the storage management tasks with respect to SAN	07 07
	(0)	Explain in other the storage management tasks with respect to SAW	07
