

R09

Code No: C6209

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.TECH I SEMESTER EXAMINATIONS APRIL/MAY-2012

STORAGE AREA NETWORKS

(WEB TECHNOLOGIES)

Time: 3hours

Max.Marks:60

**Answer any five questions
All questions carry equal marks**

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1. What are the limitations of server-centric IT architecture? How to overcome? Explain.
2. How are I/O channels designed with built-in redundancy for increased tolerance of faults of the disk subsystems? Explain briefly.
3. Describe the necessary technique which helps to protect the data against any catastrophic situations in a network.
4. Explain the importance of each layer in the fibre channel protocol stack.
5. Clearly bring out the difference between the fibre channel and NAS.
6. How is storage virtualization achieved on various levels of the storage network? Explain any one level in detail.
7. Write briefly about
 - i. Fibre channel RAID
 - ii. Basics functions of the fibre channel host bus adapter.
8. Give a view of SAN as an entire solution for implementing a SAN configuration into a data center. Also indicate the main challenges faced during its implementation.

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