

## CBCS SCHEME

15CS754

## Seventh Semester B.E. Degree Examination, Aug./Sept.2020 **Storage Area Networks**

Time:	3 hrs. Max. Marks: 80	)
N	ote: Answer any FIVE full questions, choosing ONE full question from each module.	
1 a. b.	Module-1  Explain the key characteristics of a data center, with a neat diagram. (08 Ma With a neat diagram, explain the structure of read and write operations in cache. (08 Ma	-
2 a.	OR List the different RAID levels where parity technique has been adopted. Explain any the	
b.	Compare virtual and traditional storage provisioning. (10 Ma (06 Ma)	-
3 a.	Module-2 What is zoning? What are the advantages of zoning? Explain the various types of zoning (08 Ma) Write a note on iSCSI. (08 Ma)	arks)
4 a.	OR Explain the fibre channel Protocol stack with neat figure. (08 Ms	
b.	Explain I/O consolidation using FCoE. (08 Ma	
5 a.	Module-3  Define the following terminologies:  i) MTBF ii) RPO iii) MTTR iv) RTO. (08 Ms)  Describe the follows analysis in PC Montion some important PC technology solutions	arks)
b.	Describe the failure analysis in BC. Mention some important BC technology solutions.  (08 Ms	arks)
6 a. b.	Explain backup and restore operations with neat diagram. (08 M Explain Backup in virtualized environments. (08 M	
0.	Module-4	ar its)
7 a.	Define cloud computing. List and explain the essential characteristics of cloud compu	
b.	Classify the deployment models in cloud computing. Explain any two. (10 M)  OR	
8 a. b.	List and explain the challenges facing in cloud-computing. (06 M Explain cloud infrastructure layers, with diagram. (10 M	
9 a.	Write a note on: i) Risk triad ii) Threats (08 M	
b.	Explain the concept of Kerberos with neat diagram. (08 M  OR	arks)

Discuss the IPSAN security implementation in storage networking. (06 Marks) b. Explain the storage infrastructure management activities in detail with example. (10 Marks)