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SUSN	
Library Seventh	Semester B.E. 1
2	Storag
Fime: 3 hrs.	Notes Ass

15CS754

(05 Marks)

(06 Marks)

Degree Examination, July/August 2021 ge Area Networks

		3-hrs.	Max. Marks: 80	
Note: Answer any FIVE full questions.				
1	a. b.	Define Datacenter. Explain the key characteristics of Datacenter. With a neat diagram, explain how storage centric IT Architect limitations of severcentric IT architecture.	(05 Marks) ure can overcome the (05 Marks)	
	C.	Illustrate read and write operations in cache.	(06 Marks)	
2	a. b. c.	Describe RAID levels with reference to RAID0, RAID1, RAID3 and What is file system? Illustrate the process of mapping user file subsystem with an LVM.	es to the disk storage (05 Marks)	
	О.	With a neat diagram, explain the types of Intelligent storage system.	(05 Marks)	
3	a.	List the basic interconnectivity options that are supported by FC FC-AL and FC-SW transmission in detail.	C architecture. Explain (06 Marks)	
	b.	Describe in detail different topologies of iSCSI connectivity.	(06 Marks)	
	C.	Define zoning. Explain different categories of zoning.	(04 Marks)	
4	a.	Define NAS. Explain its benefits and common implementation method	ods. (08 Marks)	
	b.	Illustrate the steps involved in storage and retrival of data objects i		
		Device (OSD).	(08 Marks)	
5	a.	What is Business Continuity? With a neat diagram, explain the	different stages in BC	
		planning Life cycle.	(08 Marks)	
	b.	With a neat diagram, explain different Backup Topologies.	(08 Marks)	
6	a.	What is Local Replication? With a neat diagram, explain Host bas	sed and Network Based	
	Local Replication. (08 Marks)			
	b. What is Data Deduplication? Explain the Data Deduplication Implementation methods for			
		backup.	(04 Marks)	
	C.	Describe in detail cascade / multihop Three-site Replication methods	. (04 Marks)	
7	a. Define Cloud Computing. Explain the characteristics and benefits of Cloud Computing.			
,	u.	Define Group Computing, Explain the characteristics and concrets of	(08 Marks)	
	b.	Illustrate the deployment models for Cloud Infrastructure.	(08 Marks)	
8	a.	List and explain different Cloud Service models.	(06 Marks)	
	b.	Describe in detail the layers in Cloud Computing Infrastructure.  Explain different key considerations for Cloud Adoption.	(06 Marks) (04 Marks)	
	C.	Explain different key considerations for Cloud Adoption.	(04 Marks)	
9	a.	Briefly explain the different storage security domains.	(08 Marks)	
	b.	Illustrate the various steps in Kerberos Authorization process.	(08 Marks)	
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10	a.	With a neat diagram, explain Information Lifecycle Management (IL		
	b.	Explain the basic security Implementations' for IPSAN with CHAP a	iumentication.	

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

What is the need of Storage Tiering? Explain its types.