Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice. 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 l equations written eg, l and l will be 1

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Eighth Semester B.E. Degree Examination, June/July 2025 Storage Area Networks

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

		Module-1	
1	a.		am
1	a.	Define Data Center. List and explain key characteristics of center with heat diagra	
	b.	Discuss core elements of data center.	(10 Marks)
	υ.	Discuss core elements of data center.	(10 Marks)
		OR	
2	a.	Explain the logical components of host in detail with a neat diagram.	(10 Marks)
	b.	Define the file system and explain the process of mapping user files to the storage	
			(10 Marks)
			5
		Module-2	
3	а	With diagram explain RAID techniques in detail.	(10 Marks)
5	b.	Explain DISK drive Components with a neat diagram.	
	υ.	Explain Disk drive Components with a heat diagram.	(10 Marks)
		OR	
4	a.	Describe the components of Intelligent Storage System with a neat diagram.	(10 Marks)
	b.	Explain the structure of read and write operations with the cache.	(10 Marks)
		Module-3	
5	9		a Network
5	b. a.	Explain the structure of read and write operations with the cache. Module-3 Explain with neat diagram the components of Fiber Channel Storage Are	

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	(FCSAN)										(10	0 Marks)
b.	What is Pr	rotocol?	Explain	the	popular	interface	protocol	used	for	host	to	storage
	communicat	tion.									(10	0 Marks)

OF

6	a. Explain different iSCSI topologies.	(10 Marks)
	b. What is NAS? Explain the components with neat sketch.	(10 Marks)
	Module-4	
7	a What is Rusiness Continuity? Explain the BC terminology in detail	(10 Marks)

a. What is Business Continuity? Explain the BC terminology in detail.
b. Explain BC planning life cycle a neat diagram.
OR

a. Explain Backup and Restore Operations with neat diagram.
b. Discuss different Backup Topologies.
(10 Marks)
(10 Marks)

Module-5

- 9 a. List local Replication Technologies and explain in brief.
 b. List and explain uses of Local Replicas.
 (10 Marks)
 (10 Marks)
 - b. List and explain ases of Local Replicas.

OR

10 a. Write a short notes on:

i) Network based remote replication
b. Explain key elements of Risk Triad.

(10 Marks)
(10 Marks)

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