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15CS754

Seventh Semester B.E. Degree Examination, Jan./Feb.2021 **Storage Area Networks**

Max. Marks: 80 Time: 3 hrs.

		N	ote: Answer any FIVE full questions, choosing ONE full question from ea	ich module.
			Module-1	
	1	a.	Explain evolution of storage architecture with neat diagram.	(08 Marks)
		b.	Discuss the key characteristics of a data centre, with neat diagram.	(08 Marks)
			OR	
	2	a.	What is protocol? Explain the popular interface protocols used for	host to storage
3			communications.	(08 Marks)
,		b.	Explain two different types of intelligent storage systems.	(08 Marks)
,			Module-2	
	3	a.	Explain Fibre channel protocol stack with neat diagram.	(08 Marks)
â		b.	What is zoning? Explain its types.	(08 Marks)
			OR	
	4	a.	What is FCIP? Explain FCIP protocol stack.	(08 Marks)
		b.	What is NAS? Explain its components with near sketch.	(08 Marks)
		٠.	William to Total Carpination to Compositions with near section,	(oo marks)
5			Module-3	
	5	a.	Explain any two backup topologies with neat diagram.	(08 Marks)
		b.	Discuss Data Deduplication implementations.	(08 Marks)
			OR	
	6	a.	Give different uses of local replicas.	(08 Marks)
		b.	Explain remote replication technologies.	(08 Marks)
	200		Module-4	
	7	a.	What is cloud computing? Give its characteristics.	(08 Marks)
		b.	Explain different cloud service models.	(08 Marks)
o n			OR	
	8 -	a.	Explain various cloud deployment models.	(08 Marks)
		b.	Discuss cloud challenges.	(08 Marks)
	•		Module-5	
	9	a.	Explain storage security domains.	(08 Marks)
		b.	Explain various security measures of cloud environment.	(08 Marks)
	-		OR	
	10	a.	Explain various storage infrastructure management activities.	(08 Marks)
	1	b.	Explain information lifecycle management.	(08 Marks)
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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.