(20 Marks)



d. Benefits of NAS.

Fifth Semester MCA Degree Examination, Jun/July 2016 Storage Area Networks

Time: 3 hrs.	Max. Marks:100
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Note: Answer any FIVE full questions.

		Note. Answer any FIVE jun questions.	65°
1	a.	Explain the evolution of storage technology and architecture.	(06 Marks)
	b.	With a neat diagram explain the components of a disc drive.	(08 Marks)
	c.	With a neat diagram explain the key characteristics of data centres.	(06 Marks)
			10
2		Finals the different toward f BAID in land the Directly D)
2	a.	Explain the different types of RAID implementations. Discuss their mer	(05 Marks)
	L	Explain the components of an intellingent storage system.	(09 Marks)
	b.	Explain RAID 3 and RAID 5.	(06 Marks)
	c.	Explain Relia 5 and Relia 5.	(00 Marks)
3	a.	Explain the different HDD controller protocols.	(06 Marks)
	b.	With a neat diagram explain SCSI – 3 client – server model.	(07 Marks)
	C.	With a neat diagram explain the categories of zoning.	(07 Marks)
4	a.	Explain different file sharing protocols used in NAS.	(08 Marks)
	b.	Explain FCIP toplogy.	(04 Marks)
	c.	Discuss different types of NAS implementations.	(08 Marks)
		No. of the second secon	
-		What is an archive? Explain the types of archives	(OC Manla)
5	a.	What is an archive? Explain the types of archives.	(06 Marks)
	b.	Explain the process of storing and retrieving objects in CAS.	(10 Marks)
	C.	Briefly discuss the challenges in storage virtualization.	(04 Marks)
6	a.	Explain the different topologies used in a backup environment.	(10 Marks)
	b.	With a neat diagram explain the BC planning life cycle.	(10 Marks)
7	a.	Explain the major technologies adopted for local replication.	(08 Marks)
,	b.	Explain the purpose of creating replicas.	(05 Marks)
	o.	Explain the basic modes of remote replication.	(07 Marks)
	15) Explain the date modes extended representation	(0.1.111)
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8		Write short notes on:	
	a.	Server virtualization	
	b.	Storage security frame work	
	C.	Disc drive performance	40.34

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