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10CS/IS765

(10 Marks)

(05 Marks)

(05 Marks)

USIN		
Seventh Semester B.E. Degree Examination, June/July 2017		
Storage Area Networks		
Time	e: 3 hrs. Max. Ma	rks:100
Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.		
	<u>PART – A</u>	
1, -	b. Describe ILM implementation in detail with its benefits.	(05 Marks) (05 Marks) (10 Marks)
2	b. With a neat diagram, explain the components of Intelligent Storage System (ISS).	(10 Marks) (05 Marks) (05 Marks)
3	 a. Explain disk drive interface, with neat diagram. b. Describe SCSI – 3 architecture in detail with diagram. 	(05 Marks) (05 Marks) (05 Marks) (10 Marks)

PART - B

a. Explain object storage and retrieval in CAS, with suitable diagrams.
 b. Describe storage virtualization types in detail and discuss its challenges.
 (10 Marks)
 (10 Marks)

a. Describe NAS implementations and benefits, with a neat diagram.

b. Explain NAS file sharing protocols.

c. Explain iSCSI protocol stack, with a neat diagram.

- a. Describe the failure analysis in BC. Briefly explain BC technology solution. (10 Marks)
 b. With a neat diagram, explain the steps involved in backup and restore operation. (10 Marks)
- 7 a. Explain the following: i) Uses of local replica ii) LVM based replication iii) Full volume mirroring. (10 Marks)
 - b. What is Remote Replication? Explain Host based remote replication, with a neat diagram.
 (10 Marks)
- a. Briefly explain the SAN security architecture also discuss the protection strategies implemented in various security zones.
 - b. Describe Storage Management activities in detail with example. (10 Marks)
