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Code No: 118ET  JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD			
AG	B. Tech IV Year II Semester Examinations, April - 2018  STORAGE AREA NETWORKS  (Common to CSE, IT)  Max	. Marks: 75	A
Note	Part A is compulsory which carries 25 marks. Answer all questions in Part Consists of 5 Units. Answer any one full question from each unit. Each question marks and may have a, b, c as sub questions.	on carries 10	A
	TAKT-A	(25 Marks)	ſ.
1.a) b) c) d) e) f) g) h) i)	Define data storage. What are the logical constructs of a physical disk? What is intelligent storage system? Write about RAID 6. Discuss about impact of down time. Define Disaster recovery. What is data backup? Why do we need replication technology? What are the advantages of Virtualization technology?	[2] [3] [2] [3] [2] [3] [2] [3] [2]	
AGİ	What is storage virtualization PART-B	[3] (50 Marks)	A
2.a) b)	Describe in brief about the Key protocols and concepts used by each compone Discuss in brief about the role of each element in supporting business activities.		
3.a) b)	Define Data center? What are the Core elements of a data center infrastructure?  Describe in brief about the physical components of a disk drive.	[5+5]	
4.a) b)	Differentiate between FC-SAN and IP-SAN topologies. Explain in brief about High-level architecture and working of an intelligent store	age system. [5+5]	
△ (5.a) b)	OR Explain in brief about the Architecture of FC-SAN. Write about the network storage options for different application environments.		A
6.a) b)	Differentiate between RTO and RPO.  Describe in brief about Identification single points of failure in a storage infrast list solutions.	tructure and [5+5]	
△ (7.a) b)	Differentiate between business continuity (BC) and disaster recovery (DR): What are the advantages and disadvantages of RPO?	[5,£5](	A

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stRanker.com www.FirstRanker.com www.FirstRanker.com Describe in brief about data replication technologies. 8.a) Draw the architecture of data backup technology. [5+5] b) Write about different back up technologies. 9.a) What is the role of replication technology in ensuring information availability? What are the limitations of file level virtualization technology. What are the key areas to monitor in a data center? [5+5] b) Describe in brief about block-level and file-level virtualization technologies. Describe in brief about the Critical security attributes for information systems. b) ---ooOoo---