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Co	de No: 118ET JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY B. Tech IV Year II Semester Examinations, May - 2 STORAGE AREA NETWORKS (Common to CSE, IT) ne: 3 Hours	
· Not	re: This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all question Part B consists of 5 Units. Answer any one full question Each question carries 10 marks and may have a, b, c as sub-question Part A	from each unit.
1.a) b) c) d) e) f) g) h) i) j)	What are the solutions available for data storage? Explain RAID 0?	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3] [2] [3] [2] [3] [2] [3]
2.	Explain about Hardware and software components of the host envir	,
3.a) b) 4.a) b)	What are the challenges in data storage and data management? Write a short note on Disk drive. Explain the concept of RAID. Compare and contrast the Integrated and Modular Storage Systems.	[5+5] . [5+5]
5.a) b)	OR Write a short note IP-SAN. What are the benefits of different networked storage options?	[5+5]
6.a) b)	List the reasons for unplanned outages. Differentiate between business continuity and disaster recovery. OR	$\triangle \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$
7.	Describe single points of failure in a storage infrastructure and list s these failures.	solutions to mitigate [10]
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8. 9. 10 11.	Explain the Describe the	plain about the availability and different backup e File-level virtua	topologies. dization technolo OR Omain? List an	gies and their produced analyzes the	ocesses.	[10] [10] in each	
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