importantly, the company also needs performance for its mission-critical applications. Which storage topology would you recommend (SAN, NAS, IPSAN) and why? (CO5)

Harage and the Roll No.

TCS-710

B. TECH. (SEVENTH SEMESTER) END SEMESTER EXAMINATION, Dec., 2022

STORAGE NETWORKS

Time :Three Hours Maximum Marks : 100

Note: (i) All questions are compulsory.

- (ii) Answer any two sub-questions among(a), (b) and (c) in each main question.
- (iii) Total marks in each main question are twenty.
- (iv) Each sub-question parries 10 marks.
- 1. (a) Define server centric IT architecture and storage centric IT architecture with advantages and limitations. (CO1)
 - (b) Explain the core elements of a University data center. (CO1)

P. T. O.

CS-710

HO

provides high availability. More		
infrastructure-one that is scalable and		
A large continany is considering a storage	(c)	
FC-SW over FC-AL. (CO5)		
architecture, Discuss the advantages of		
interconnectivity options that support FC		
Illustrate Fibre 'Channel (FC)	(q)	
DAS is a good solution. (CO5)		
What is DAS? Give an example of when	(a)	۶.
and RAID 0+1. (CO4)		1427
Explain the difference between RAID 1+0	(a)	
applications. (CO4)		
fastest performance for storage networking		
List the four interconnects from slowest to		
internal drives inside system cabinets ?		
Why isn't Fibre Channel used often for the	(q)	
IPSAN solution: (CO4)		•
applications that could benefit from an		
What is IP SAN? Discuss the data storage	(a)	't
(CO3)		
management of Network Attached Storage		
Illustrate the elements, connectivity and	(0)	
(3) LCS-710		

P. T. O.