



PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – March 2026

Date: 13- 03-2026

Time: 11.45am to 01.15pm

School: SOCSE	Program: B.Tech Computer Science and Engineering (Networks)	
Course Code : CSN2507	Course Name: Storage Area Networks	
Semester: VI	Max Marks: 50	Weightage: 25%

CO - Levels	C01	C02	C03	C04	C05
Marks	26	24	-	-	-

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.

5Q x 2M=10M

1	Describe any two components of a data center environment.	2 Marks	L2	C01
2	Explain the concept of virtualization in the context of storage systems.	2 Marks	L2	C01
3	State the primary purpose of RAID levels.	2 Marks	L1	C01
4	Outline the concept of zoning in a Fibre Channel SAN.	2 Marks	L1	C02
5	Explain the term iSCSI by expanding it.	2 Marks	L2	C02

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain the data center infrastructure with reference to application, host (compute), connectivity and storage layers.	10 Marks	L2	CO1
	b.	Discuss the evolution of information storage systems and the role of cloud computing.	10 Marks	L2	CO1
Or					
7.	a.	Describe data protection mechanisms in storage systems with emphasis on RAID.	10 Marks	L2	CO1
	b.	Explain virtualization and cloud computing and their significance in modern storage architectures.	10 Marks	L2	CO1

8.	a.	Discuss FC SAN zoning and its advantages.	10 Marks	L2	CO2
	b.	Explain IP SAN technologies: iSCSI and FCIP.	10 Marks	L2	CO2
Or					
9.	a.	Describe Fibre Channel over Ethernet (FCoE) and compare it with traditional FC SAN.	10 Marks	L2	CO2
	b.	Explain intelligent storage systems and their role in enterprise storage networks.	10 Marks	L2	CO2