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PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 07-10-2025

Time: 02.00pm to 03.30pm

School: SOCSE	Program: B.TECH(CSN)	
Course Code : CSN2503	Course Name: Advanced Computer Network	
Semester: V	Max Marks: 50	Weightage: 25%

CO - Levels	CO1	CO2	CO3	CO4	CO5
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	State the benefits of Enterprise network design.	2 Marks	L1	CO1
2	Define circuit-switching technique.	2 Marks	L1	CO2
3	Define RDP.	2 Marks	L1	CO1
4	List the benefits of VLANs.	2 Marks	L1	CO2
5	List the advantages of DSL.	2 Marks	L1	CO1

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain PPP protocol in detail.	10 Marks	L2	CO1
Or					
7.	a.	Explain different technologies implemented by Wide Area Network.	10 Marks	L2	CO1

8.	a.	Explain SLIP protocol in detail.	10 Marks	L2	CO1
Or					
9.	a.	Explain the different topologies of Wide Area Network with diagram.	10 Marks	L2	CO1

10.	a.	Describe the term “Head-of-Line blocking”.	10 Marks	L2	CO2
Or					
11.	a.	Explain routing loop with an example and how it affects network performance and ways to prevent it.	10 Marks	L2	CO2

12.	a.	Classify the different switching techniques.	10 Marks	L2	CO2
Or					
13.	a.	Explain Isolated VLAN highlighting its advantages and comparison with other VLAN.	10 Marks	L2	CO2