



Roll No.

# PRESIDENCY UNIVERSITY

**BENGALURU****Mid - Term Examinations – October 2025****Date:** 07-10-2025**Time:** 02.00pm to 03.30pm

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

<b>CO - Levels</b>	<b>C01</b>	<b>C02</b>	<b>C03</b>	<b>C04</b>	<b>C05</b>
<b>Marks</b>	<b>26</b>	<b>24</b>			

**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**

<b>1</b>	State the benefits of Enterprise network design.	<b>2 Marks</b>	<b>L1</b>	<b>C01</b>
<b>2</b>	Define circuit-switching technique.	<b>2 Marks</b>	<b>L1</b>	<b>C02</b>
<b>3</b>	Define RDP.	<b>2 Marks</b>	<b>L1</b>	<b>C01</b>
<b>4</b>	List the benefits of VLANs.	<b>2 Marks</b>	<b>L1</b>	<b>C02</b>
<b>5</b>	List the advantages of DSL.	<b>2 Marks</b>	<b>L1</b>	<b>C01</b>

**Part B****Answer the Questions.****Total Marks 40M**

<b>6.</b>	<b>a.</b>	Explain PPP protocol in detail.	<b>10 Marks</b>	<b>L2</b>	<b>C01</b>
<b>Or</b>					
<b>7.</b>	<b>a.</b>	Explain different technologies implemented by Wide Area Network.	<b>10 Marks</b>	<b>L2</b>	<b>C01</b>

<b>8.</b>	<b>a.</b>	Explain SLIP protocol in detail.	<b>10 Marks</b>	<b>L2</b>	<b>C01</b>
<b>Or</b>					
<b>9.</b>	<b>a.</b>	Explain the different topologies of Wide Area Network with diagram.	<b>10 Marks</b>	<b>L2</b>	<b>C01</b>

<b>10.</b>	<b>a.</b>	Describe the term “Head-of-Line blocking”.	<b>10 Marks</b>	<b>L2</b>	<b>C02</b>
<b>Or</b>					
<b>11.</b>	<b>a.</b>	Explain routing loop with an example and how it affects network performance and ways to prevent it.	<b>10 Marks</b>	<b>L2</b>	<b>C02</b>

<b>12.</b>	<b>a.</b>	Classify the different switching techniques.	<b>10 Marks</b>	<b>L2</b>	<b>C02</b>
<b>Or</b>					
<b>13.</b>	<b>a.</b>	Explain Isolated VLAN highlighting its advantages and comparison with other VLAN.	<b>10 Marks</b>	<b>L2</b>	<b>C02</b>