



SRI KRISHNA INSTITUTE OF TECHNOLOGY

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Assignment

Dept.	CSE	Sem / Div:	5/A & B	Course	Computer Networks	Elective	N
Date :		Time:		CCode:	21CS52	Max Marks:	40

Note: Answer all full questions. All questions carry 20 marks.

Q No	Questions	CO	BTL	Marks	Mod
1.	Explain the concept of AIMD used in congestion control. Assume input data rate to a router is 7, 8, 0, 2, 0 at regular time interval of 1 time unit with buffer capacity as 4 and output rate as 3. Explain how flow is regulated with algorithm	CO3	L3	10	4
2.	Identify the transport layer protocol used in video conferencing. Explain the segment structure of the same with a neat diagram or Identify and Explain transport layer protocol used in connectionless service segment structure with a neat diagram	CO3	L3	8	4
3.	Identify the transport layer protocol used in file download. Explain the segment structure of the same with a neat diagram or Identify and Explain transport layer protocol used in connection oriented service segment structure with a neat diagram.	CO3	L3	8	4
4.	Explain in brief connection management is done with appropriate diagrams by considering different real time problems	CO3	L2	12	4
5.	Explain about different combinations used in client server strategy for crash recovery.	CO3	L2	10	4
6.	Explain about DNS services and recursive query mapping. Explain about DNS Resource Record.	CO4	L2	10	5
7.	Discuss about the different models of networking architecture	CO4	L2	10	5
8.	With general format explain http response and request messages.	CO4	L2	10	5
9.	Compare Non persistent and persistent connections for transfer of 5 web pages with neat diagrams.	CO4	L2	10	5
10	With neat diagram Discuss how the response time is reduced by using web cache and explain the concept of proxy servers	CO4	L3	5	5
11	With flow diagram for mail services, discuss about SMTP and MAP with sample command and status codes exchange between client and server.	CO4	L3	10	5