

P.V.P Siddhartha Institute of Technology				Marks Obtained:
Department of Computer Science and Engineering				
Program: B.Tech	Year: III	Semester: I	Assignment: II	
Regulation:PVP20	A.Y:2024-25	Date of Submission:14-10-2023		
Course Code: 20CS3503	Course Name: Computer Networks			
Registered Number:			Student Name:	
Answer all the Questions.				

Q.No.	Question	CO	Level
1.	Explain the various OSPF Message formats and OSPF Link state advertisements. When does an OSPF router send each of the following messages? i) hello ii) data description iii) link-state request iv) link-state update v) link-state acknowledgment	CO1,CO2, CO4, CO5	L2
2.	Explain the operation of eBGP and iBGP? How does BGP perform address aggregation using the two protocols? Explain when each of the following attributes can be used in BGP: i) LOCAL-PREF ii) AS-PATH iii) NEXT-HOP	CO1,CO2, CO4, CO5	L2
3.	Discuss about RIP protocol.	CO1,CO3, CO5	L3
4.	What is Piggybacking? How sliding window protocols improve the performance using it?		
5.	Discuss the RenoTCP and NewRenoTCP congestion control mechanisms. How the performance can be improved using NewRenoTCP over RenoTCP?	CO1,CO3, CO5	L3