

Model Question Paper
ANURAG Engineering College
 (An Autonomous Institution)
 III B.Tech. II Semester Regular Examinations, June-2025
DATA COMMUNICATION AND COMPUTER NETWORKS
 (COMMON TO IT)

Time: 3 Hours

Max.Marks:60

Section – A (Short Answer type questions)		(10 Marks)		
Answer All Questions		Course Outcome	B.T Level	Marks
1.	List the various guided media for transmission	CO1	L2	1M
2.	What is multiplexing?	CO1	L1	1M
3.	Draw the frame format of HDLC	CO2	L1	1M
4.	Explain check sum with example	CO2	L3	1M
5.	What is tunneling?	CO3	L2	1M
6.	What are the goals of a network?	CO3	L1	1M
7.	Draw the UDP packet format	CO4	L1	1M
8.	Define quality of service	CO4	L2	1M
9.	Name few protocols used in Application layer	CO5	L1	1M
10.	What are the functions of FTP?	CO5	L3	1M
Section – B (Essay Questions)				
Answer all questions, each question carries equal marks.		(5 X 10M = 50M)		
11.	Explain the layers in OSI model	CO1	L3	10M
OR				
12.	With neat diagram explain about Network topologies	CO1	L2	10M
13.	What are the flow control mechanisms in data link layer? Explain	CO2	L2	10M
OR				
14.	Write about ALOHA protocol	CO2	L1	10M
15.	Explain IPV4 packet format	CO3	L2	10M
OR				
16.	Discuss about Uni-cast Routing Protocols	CO3	L3	10M
17.	Compare Differentiated and Integrated services	CO4	L2	10M
OR				
18.	Discuss the fields in TCP segment with neat diagram	CO4	L3	10M
19.	Write a short note on E-mail	CO5	L1	10M
OR				
20.	Discuss about HTTP and WWW	CO5	L1	10M