Question Paper Code: R18A31CS01

R18

ANURAG Engineering College

(An Autonomous Institution)

III B. Tech I Semester Supplementary Examinations, June/July - 2024

COMPUTER NETWORKS

(COMPUTER SCIENCE AND ENGINEERING)

Time: 3 Hours **Max. Marks: 75**

Section – A (Short Answer type questions) (25 Marks)

Answer All Questions		Course Outcome	B.T Level	Marks
1.	What are the two types of line configuration?	CO1	L1	2M
2.	Write down the principles of layered architecture.	CO1	L2	3M
3.	What do you mean by error control?	CO2	L1	2M
4.	What are the issues in data link layer.	CO2	L2	3M
5.	What is meant by a bridge?	CO3	L1	2M
6.	Differentiate fast Ethernet and gigabyte Ethernet.	CO3	L2	3M
7.	How can you classify routing algorithm?	CO4	L1	2M
8.	What is congestion in networks? Why it is caused?	CO4	L2	3M
9.	Explain the header format of HTTP.	CO5	L1	2M
10.	Differentiate user agent (UA) and mail transfer agent (MTA).	CO5	L2	3M

Section B (Essay Questions)1

Answer all questions, each question carries equal marks. (5 X 10M = 50M)

11. A)	With a neat diagram explain in detail about the Network protocol architecture.	CO1	L2	10M
	OR			
B)	Write short notes on classification of unguided transmission media.	CO1	L3	10M
12. A)	Explain in detail Link level flow control in detail with example.	CO2	L2	10M
	OR			
B)	What is Cyclic Redundancy Checks (CRCs). Explain CRC with an example Message D = 1010001101 (10 bits), which uses Predetermined divisor P = 110101 (6 bits) and sent and show that the receiver receives the data with or without error.	CO2	L3	10M
13. A)	Based on the IEEE 802.11 describe the two different ways used to create a wireless network. Describe its characteristics.	CO3	L2	10M
	OR			
B)	Discuss about physical properties and medium access protocol of Ethernet.	CO3	L3	10M
14. A)	Organize the addressing mechanisms with different cases in IPV4.	CO4	L3	10M
	OR			
B)	Discuss briefly RIP and OSPF.	CO4	L3	10M
15. A)	Discuss about World Wide Web in detail.	CO5	L2	10M
	OR			
B)	Discuss in detail about the FTP.	CO5	L3	10M