

ANURAG Engineering College

(An Autonomous Institution)

III B.Tech I Semester Supplementary Examinations, December - 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 different topologies in the computer networks?	CO1	L1	2M
2. Classify Unguided Transmission Media	CO1	L2	3M
3. Define Flow and error control in data transmission.	CO2	L1	2M
4. Show the differences of CDMA/CD and CDMA/CA protocols?	CO2	L2	3M
5. List the popular IEEE standards used in the present computer network with examples.	CO3	L1	2M
6. Explain the different versions of Bluetooth technology used in mobile phones.	CO3	L2	3M
7. Select the various responsibilities of Transport layer in computer networks.	CO4	L1	2M
8. Differences between UDP vs TCP	CO4	L2	3M
9. Recall third scenario in E-Mail.	CO5	L1	2M
10. Outline the common three components of a browser.	CO5	L2	3M

Section B (Essay Questions)**Answer all questions, each question carries equal marks.****(5 X 10M = 50M)**

11. A) Identify the functionalities of layers in ISO-OSI model with neat diagram.	CO1	L2	10M
OR			
B) Division of wireless transmission waves in Unguided Media with explanation.	CO1	L2	10M
12. A) Identify the uses of the HDLC protocol and explain with an example.	CO2	L2	10M
OR			
B) Write a short notes on i) Pure ALOHA ii) Slotted ALOHA	CO2	L2	10M
13. A) Explain about Gigabit Ethernet.	CO3	L2	10M
OR			
B) Explain about Wireless LAN's.	CO3	L2	10M
14. A) i) Functions of SCTP protocol in detail. ii) Organize the addressing mechanisms with different cases in IPV4.	CO4	L2	10M
OR			
B) Describe the IPv6 packet format?	CO4	L3	10M
15. A) Analyze the DNS architecture with example.	CO5	L2	10M
OR			
B) Theme of HTTP with neat architecture.	CO5	L2	10M

