CLASS: BCA   SEMESTER : V
BRANCH: BCA   SESSION : MO/2024

SUBJECT: CA303 COMPUTER NETWORKS

TIME: 02 Hours   FULL MARKS: 25

INSTRUCTIONS:
1. The question paper contains 5 questions each of 5 marks and total 25 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates

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			CO	BL
Q.1(a)	Differentiate between Connection oriented services and connection less services.	[2]	CO2	2
Q.1(b)	Explain the transmission technology used in LAN. Describe all its features.	[3]	CO2	2
Q.2(a)	With the help of suitable diagram explain working of BUS topology. Discuss some of its disadvantages.	[2]	CO2	3
Q.2(b)	How many connections are required to connect 10 computers in Mesh topology.	[3]	CO3	3
Q.3(a)	Describe TCP /IP reference model with the help of proper diagram.	[2]	CO1	2
Q.3(b)	Explain in detail about working of Transport Layer of OSI reference Model.	[3]	CO1	2
Q.4(a)	Explain the role of a Null Modem. In what circumstances it is used?	[2]	CO2	2
Q.4(b)	Explain DTE and DCE in detail with the help of a suitable diagram.	[3]	CO2	2
Q.5(a)	Write short notes on twisted pair cable with the help of a suitable diagram.	[2]	CO2	2
Q.5(b)	Explain working of a Fiber optic cable with the help of suitable diagram. What are the advantages of using it.	[3]	CO2	2