



		Reg. No.:			
		Name :			
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MID TERM EXAMINATIONS – Nov 2024					
Programme	:	B.Tech.	Semester	:	Interim 2024-25
Course Title	:	Computer Networks/ CSE3006	Slot	:	A11+A12+A13
Time	:	1 ½ hours	Max. Marks	:	50
Answer all the Questions					
Q.No.	Sub. Sec.	Question Description			Marks
1		If there are n devices in the network, what is the number of cable link required for a fully connected mesh, a star, a ring topology respectively. Explain all the about topology with advantages and disadvantages.			10
2		List all the analog-to-analog conversion techniques, and explain them with examples.			10
3		Given the dataword 1010011110 and the divisor x^4+x^2+x+1 . a. Show the generation of the codeword at the sender site. b. Show the checking of the codeword at the receiver site (assume no error).			10
4		Describe sliding window protocol and its functionalities in detail. Which one is better among Go-back- N and Selective-Repeat protocol? Give reason.			10
5		Briefly describe the following networking devices' working in relation to the OSI model: Hubs, Repeaters, Bridges, Switches, and Routers			10