Differentiate between bridges and reporters.

CS-501 (NEW)

iic.com	Roll No	6.	a)	Compare the various network topologies.	
CS - 501 (NEW)			b)	Discuss the features and types of modem. Unit - IV	
B.E. V Semester		7	7. a) Explain the different types of Guided media v		
Examination, December 2013			4)	example.	
Data Communication		p.	b)	Draw a schematic diagram for fiber opti-	
		V.		communication system clearly showing transmitter	
Time: Three Hours				receiver and signal repeaters. Explain the function o	
1 adi alalayd zamaga langa Maximum Marks : 70				each component in detail. What are the reasons by	
empt One question from each unit.				which fiber degrades the signal.	
Unit - I		8.	a)	Explain the components used in Telephone Network.	
Explain the various encoding schemes briefly. 7			Roje	to Disease about the various modes of transmis	
Discuss about the various modes of transmission? 7			b)	What do you mean by wave attenuation and absorption	
What is Data Co	ompression? Explain the various			an mulden regulational list (e	
techniques of data compression?			c)	Discuss the characteristics of Transmission line.	
Explain the basic components of data communication and their characteristics. 7 Unit - II What is the purpose of multiplexing? Differentiate				Unit - V	
		9.	a)	Sixteen bit messages are transmitted using Hamming	
				code. How many cheek bits are needed to ensure that	
				the receives can detect and correct single bit errors.	
between time division multiplexing and frequency				Show the bit pattern transmitted for the	
division multiplexing. 7				message1010110011001011.	
Explain circuit switching, packet switching and			b)	Explain error detection and correction methods briefly.	
message switching briefly. 7				roll amount Completion stores at a first	
What is circuit switching? Discuss how packet		10.	10. Explain the following:-		
switching is be	tter than circuit switching for		a)	Hamming distance	
communication.	of the partition of the		b)	Convolution code 1:	
Explain ISDN brie	efly. 7		c)	Interleaved codes rgpvonline.com	
Unit - III			d)	Block parity	
7	three layer switches and gateway			Vilaine	
briefly.		CS-5	CS-501 (NEW) ****** (WEW) 102-85		
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