Exam Seat No:____

C.U.SHAH UNIVERSITY Summer Examination-2017

Subject Name : Data Communication & Networking

	Subject	Code : 4	CS03BNT1	Branch: BCA	
	Semester	r:3	Date : 27/03/2017	Time : 10:30 To 01:30	Marks : 70
	(2) I (3) I	Use of Pr instruction Draw near	-	ny other electronic instrument is probook are strictly to be obeyed. ecessary) at right places.	ohibited.
Q-1		Attem	ot the following questions:		(14)
	 a) b) c) d) e) f) g) h) i) j) k) l) m) 	Give fu What is What is What is What is Give fu What is What is Define Write f	s unicasting? Ill form of DSL. s digital communication? s gateway? s Firewall? o you mean by protocol? s multiplexing? Ill form of PAN. s switching? s port address? IP. ull name of SNMP. he use of Hub.		1 1 1 1 1 1 1 1 1 1 1 1 1 2
Atte	mpt any f	lour que	stions from Q-2 to Q-8		
Q-2	A B	List dif	ot all questions ferent network topologies a n OSI reference model in de		(14) 7 7
Q-3	A	_	ot all questions be simplex , half duplex and	full duplex modes with examples.	(14) 7

B Explain the concepts of circuit and packet switching.

Q-4		Attempt all questions	(14)
	Α	Explain Layer-1 devices in short.	7
	B	Compare FDM, TDM and WDM.	7



7

Q-5	Attempt all questions		
Α	What is IP addressing? Compare IPV4 and IPV6.	7	
В	Compare FDMA, TDMA and CDMA.	7	
Q-6	Attempt all questions	(14)	
Α	Explain CSMA/CA and CSMA/CD protocols.	7	
В	Describe the concepts of TCP and UDP.	7	
Q-7	Attempt all questions	(14)	
Α	Write the main function of following devices:1. Repeater 2. Router 3. Modem 4. Switch	7	
В	Explain Wi-Max in detail.	7	
Q-8	Attempt all questions	(14)	
A B	List guided media. Explain Co-axial and fiber optic cables. Explain the concepts of radio wave and microwave.	7	
D	Explain the concepts of radio wave and incrowave.	,	

