	Enrollmo		Exam Seat No:		
		C.U.SHAH	UNIVERSITY		
			xamination-2018		
		Summer E.	xammation-2010		
Subject Name: Networking Essentials					
	Subject Code: 4CS04INE1		Branch: B.Sc.I.T.		
	Semester	:: 4 Date: 01/05/2018	Time: 10:30 To 01:30 Marks: 70		
	(2) I (3) I				
Q-1		Attempt the following questions	s:	(14)	
	a)	signals are continuous in n			
	b)	What is Protocol?			
	c)	Give the Even Parity of: 110011			
	d)	What is Noise?			
	e)		uided Media and Unguided Media?		
	f)		at RPM as that of the earth.		
	g)	•	onnected to every other node by direct links?		
	h)	In which layer of OSI model, the	information is in the form of Bits?		
	i)	TCP/IP stands for			
	j)	What is frequency?			
	k)	IPV4 address consists of	bits.		
	1)	What is Token Ring?			
	m)	ISDN stands for Servi	ces Digital Network.		
	n)	List types of twisted pair cables.			
		our questions from Q-2 to Q-8		(1.4	
Q-2		Attempt all questions	unlein Chanastanistics and Commonants of Data	(14)	
	a)	What is Data Communication? Ex	xplain Characteristics and Components of Data	(7)	
	b)		d Full duplex modes with diagram.	(7)	
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Q-3		Attempt all questions	4-1 M. Julying 4-1	(14)	
	a)	Explain ASK, FSK and PSK Digital What is CDC2 Explain with even		(7)	
	b)	What is CRC? Explain with exam	ipie.	(7)	



Q-4		Attempt all questions	
	a)	What is Optical fiber? Explain its structure and Propagation Modes.	(7)
	b)	Explain Sliding Window Protocol at Sender side and Receiver side.	(7)
Q-5		Attempt all questions	(14)
	a)	What is Topology? Explain any three topologies with its diagram and advantages and disadvantages.	(7)
	b)	Explain CSMA/CD with figure.	(7)
Q-6		Attempt all questions	(14)
	a)	Explain Serial Transmission Mode.	(7)
	b)	Explain FDDI.	(7)
Q-7		Attempt all questions	(14)
	a)	Explain OSI Model with the functions of each Layer.	(7)
	b)	Explain Various Internetworking Devices.	(7)
Q-8		Attempt all questions	(14)
	a)	What is Switching? Explain various types of Switching.	(7)
	b)	What is ISDN? Explain ISDN Architecture and Channel Types.	(7)

