C.U.SHAH UNIVERSITY **Summer Examination-2019**

Subject Name : Networking Essentials

Subject Code : 4CS04INE1			Branch: B.Sc.I.T.		
Semester : 4 Date : 22/0		Date : 22/04/2019 Tir	me : 02:30 To 05:30 Ma	arks : 70	
(2) (3)	Use o Instru Draw	of Programmable calculator & any other el actions written on main answer book are su neat diagrams and figures (if necessary) a me suitable data if needed.	trictly to be obeyed.	ted.	
Q-1		Attempt the following questions:		(14)	
	b) c) d) e) f) g) h) i) j) k) l) m) n)	is connected to every computer that over telephone lines for signal propagation Give types of Standard. Define the tem Noise. signals are discrete in nature. Data link layer is sub divided into Define the term Amplitude. Full Form of CRC. What is FSK? List the layers of OSI model. What is multiplexing? The Process of converting analog data to Give Odd Parity for :1000101 What is FDDI? List types of channel in ISDN.	on and information encoding.		
Q-2 Q-3	a) b) a)	 four questions from Q-2 to Q-8 Attempt all questions Explain AM, FM & PM in detail. What is Data Communication? Explain it of Data communication. Attempt all questions List multiplexing techniques and explain 		(14) 07 ents 07 (14) 07	
Q-4	a) b) a) b)	Attempt all questions Write a note on ISDN Architecture and it Explain Simplex, Half-duplex, and Full d	ts Channel types.	07 07 (14) 07 07 Page 1 of 2	

Q-5		Attempt all questions	(14)
	a)	Explain CRC with example.	07
	b)	List line encoding polar techniques and explain them	07
Q-6		Attempt all questions	(14)
-	a)	Explain Serial transmission mode and its types.	07
	b)	Write a note on OSI model.	07
Q-7		Attempt all questions	(14)
	a)	If the data to be transferred is: 10011001111000100010010010000100 .	07
		Calculate its checksum value at sender's side and Receiver's side and give	
		conclusion whether data is accepted or not.	
	b)	Explain LRC in detail.	07
Q-8		Attempt all questions	(14)
	a)	What are protocol? Explain its elements.	07
	b)	What is Topology? Explain various topologies in detail.	07

