Enrollment 2	No:	Exam Seat No:	
	C.U.SHAH	UNIVERSITY	
	Winter Exa	mination-2019	
Subject Nan	ne : Networking Essentials		
•			
Subject Cod	e: 4CS04INE1	Branch: B.Sc.I.T.	
Semester: 4	Date: 17/09/2019	Time: 02:30 To 05:30	Marks: 70
<ul><li>(2) Instr</li><li>(3) Draw</li></ul>	of Programmable calculator & an uctions written on main answer by neat diagrams and figures (if not me suitable data if needed.	•	prohibited.
Q-1	Attempt the following question	ons:	(14)
b) c) d) e) f) g) h) i) j) k) l) m)	What is Data communication? Define Protocol. List types of channel in ISDN. Define the term Noise. What is baud rate? Give Even Parity for :1000101 What are the components of da What are de facto and de jure? Give full form of LRC. Define wavelength. List the layers of TCP/IP mode Give full form of ISDN. Define the term Amplitude. Which signals are continuous in	1.	
Attempt any	four questions from Q-2 to Q-	8	
Q-2 a) b)	Attempt all questions What are guided media? Explain Explain digital modulation tech	•	(14) 07 07
Q-3 a) b)	Attempt all questions What are errors? Explain its cla What are unguided media? Exp		(14) 07 07
Q-4 a) b)	Attempt all questions Explain Token Ring in detail. Write a note on TCP/IP model.		(14) 07 07



Q-5		Attempt all questions	(14)
	a)	Explain analog modulation techniques in detail	07
	<b>b</b> )	Which are the multiplexing techniques and explain each in detail.	07
Q-6		Attempt all questions	(14)
	a)	Explain Simplex, Half-duplex, and Full duplex modes with diagram	07
	<b>b</b> )	Write a note on ISDN Architecture and its Channel types.	07
Q-7		Attempt all questions	(14)
	a)	Describe satellite communication and cellular telephones.	07
	<b>b</b> )	What is error detection? Explain it techniques(any two).	07
Q-8		Attempt all questions	(14)
	a)	What is Ethernet? Explain CSMA/CD.	07
	<b>b</b> )	What are internetworking devices? Describe any 3 devices.	07

