## C.U.SHAH UNIVERSITY **Summer Examination-2020**

## Subject Name : Data Communication & Networking

Subject	Code	e: 4CS03BNT1	Branch: B.C.A.	
Semeste	er : 3	Date : 29/02/2020	Time : 02:30 To 05:30	Marks : 70
(2) (3)	Use o Instru Draw	of Programmable calculator & any actions written on main answer bo neat diagrams and figures (if neo me suitable data if needed.		ohibited.
Q-1 Attemp	b) c) d) e) f) g) h) i) j) k) l) m) n)	Attempt the following question Give the full form of OSI. Number of links required to com What is the size of IPv4 address? Router is operated at la Define Protocol. What is NIC? What is UNIC? What is unicast? Give full form for FDM. What is Piconet? Define network topology. Which protocol data unit is empl List Guided media. Which layer performs encryption Give full form for CSMA/CD. four questions from Q-2 to Q-8	nect N nodes in Ring topology? yer of OSI. oyed at network layer? n and decryption task?	(14)
Q-2	a) b)	Attempt all questions What are unguided media? Expla Write a note on Bluetooth techno	•	(14) 07 07
Q-3	a) b)	Attempt all questions What is network connection? Ex Which are the network types? Ex	plain Point to Point and Multipoin plain any three in detail.	(14) nt. 07 07
Q-4	a) b)	Attempt all questions What is Ethernet cabling? Descri What are Layer 2 devices? Expla		(14) 07 07
Q-5	a)	Attempt all questions Describe FTP and TFTP Protoc	col.	(14) 07



<ul><li>Attempt all questions</li><li>a) What is multiplexing? Explain it types.</li><li>b) Explain OSI reference model in detail.</li></ul>	(14) 07 07
Attempt all questions	(14)
a) Differentiate IPv4 and IPv6.	07
<b>b</b> ) Describe TCP and UDP Protocol.	07
Attempt all questions	(14)
a) Explain POP3 and IMAP4 Protocol	07
<b>b</b> ) What is switching? Explain it types.	07
	<ul> <li>a) What is multiplexing? Explain it types.</li> <li>b) Explain OSI reference model in detail.</li> <li>Attempt all questions</li> <li>a) Differentiate IPv4 and IPv6.</li> <li>b) Describe TCP and UDP Protocol.</li> <li>Attempt all questions</li> <li>a) Explain POP3 and IMAP4 Protocol</li> </ul>

