Enroll	lment l	No:	Exam Seat No:	
Linon		C.U.SHAH UN		
		Summer Exami		
-	ct Cod	e: Data Communication & Network e: 4CS03BNT1 Date: 15/03/2019	king Branch: B.C.A. Time: 02:30 To 05:30	Marks: 70
(2) (3)	Use of Instru	of Programmable calculator & any oth actions written on main answer book a neat diagrams and figures (if necessame suitable data if needed.	are strictly to be obeyed.	ohibited.
Q-1	,	Attempt the following questions: Define Data communication.		(14)
	c) d)	PAN stands for Define hub. Which switching technique is used in FDM stands for	n the internet?	
	f)	What is packet? Which protocol is known as connect Wi-Fi stands for	ion oriented?	
	_	Which layer is responsible for end-to What is multiplexing? MAC stands for	o-end delivery between hosts?	?
		What is repeater? NIC stands for HTTP stands for		
Attem	pt any	four questions from Q-2 to Q-8		
Q-2	(A) (B)	Attempt all questions: Explain OSI reference model. Describe TCP/IP protocol suite mod	el.	(7) (7)
Q-3	(A) (B)	Attempt all questions: Explain various types of network. Explain: simplex, half-duplex and fu	ll-duplex communication.	(7) (7)
Q-4	(A) (B) (C)	Attempt all questions: Define protocols: ARP, FTP, SMTP Explain co-axial cable. Write short note: wireless access poi		(5) (5) (4)



Q-5		Attempt all questions:	
	(A)	Explain network communication methods.	(5)
	(B)	Define: network topology. Explain star topology.	(5)
	(C)	Write short note: multipoint connection.	(4)
Q-6		Attempt all questions:	
	(A)	Define: Network addressing. Explain types of network addressing.	(5)
	(B)	Explain microwave transmission media.	(5)
	(C)	Discuss on fiber optical cable.	(4)
Q-7		Attempt all questions:	
•	(A)	What is IP addressing? Explain about IPv4 addressing class.	(5)
	(B)	Explain router network device.	(5)
	(\mathbf{C})	Write a short note: firewall.	(4)
Q-8		Attempt all questions:	
-	(A)	Define: Switching techniques. Explain types of switching techniques.	(7)
	(B)	List and explain about twisted pair cable.	(7)

