Ennalln	nont No.	Evon Soot No.							
Enrollment No: Exam Seat No: C.U.SHAH UNIVERSITY									
	winter Exa	mination-2021							
Subject	Name: Data Communication & Net	working							
Subject	t Code: 4CS03BNT1	Branch: B.C.A.							
Semester: 3 Date: 15/12/2021		Time: 02:30 To 05:30 Marks: 7)					
(2) (3)	ions: Use of Programmable calculator & any Instructions written on main answer be Draw neat diagrams and figures (if needs Assume suitable data if needed.	ook are strictly to be obeyed.	prohibited.						
a)	Attempt the following questions: The first Network was called		(1	4)					
u)	A. CNNET	C. NSFNET							
	B. ASAPNET	D. ARPANET							
b)									
~)	A. Multi-point	C. Point-to-point							
	B. Primary	D. Secondary							
c)	Communication between a computer	•							
C)	Transmission.	and a Reyodala mvorves							
	A. Full-duplex	C. Half-duplex							
	B. Simplex	D. None of these							
d)	Which topology requires a central controller								
u)	A. star	C. mesh							
	B. ring	D. bus							
e)	The layer changes bits into electron								
C)	A. Transport	C. Physical							
	B. Session	D. Presentation							
f)	The information to be communicated in a da								
1)	A. medium	C. protocol							
	B. transmission	D. message							
α)	As the data packet moves from the up	ŭ	are						
g)	A. Removed	C. Added	arc						
	B. Rearranged	D. Modified							
h)	_								
h)	What is the main function of the trans								
	A. Node-to-node delivery	C. Synchronization D. Undering routing tables							
	B. Process-to-process delivery	 D. Updating routing tables 							

Q-1



ARP stand for _____.

i)

		A. Address Routing Protocol	C. Address Resolution Protocol		
		B. Address Routing Program	D. Address Routing Packet		
	j)	What is the port number of HTTP?			
		A. 80	C. 25		
		B. 23	D. 20/21		
	k)	TCP is			
		A. Connection oriented	C. Both (A) and (B)		
		B. Reliable	D. None of these		
	l)	l) The commonly used protocol for webpage transfer is			
		A. HTML	C. WML		
		B. HTTP	D. WTTP		
	m)	IPV4 address is of bits			
		A. 4	C. 16		
		B. 32	D. 128		
	n)	Multiplexing is used in			
		A. Packet switching	C. Circuit switching		
		B. Message switching	D. None of these		
Attemj	ot any i	four questions from Q-2 to Q-8			
Q-2		Attempt all questions		(14)	
	a)	Explain TCP/IP in detail.		(5)	
	b)	Explain CSMA/CD and CSMA/CA in detail.			
	c)	Explain Wi-Fi in detail.		(4)	
Q-3		Attempt all questions		(14)	
	a)	1		(5)	
	b)	Explain HUB with its types.		(5)	
	c)	Explain difference between IPV4 and IPV6.		(4)	
Q-4		Attempt all questions		(14)	
	a)	Explain physical addressing, logical addressing and port addressing.		(5) (5)	
	b)	Explain twisted pair cable with its types.			
	c)	Explain unicast and broadcast in networking.			
Q-5		Attempt all questions		(14)	
	a)	Explain router in detail.		(5)	
	b)				
	c)	Explain DNS in detail.		(4)	
Q-6		Attempt all questions		(14)	
	a)	Explain Message switching and Pack	et switching in detail.	(7)	
	b)	Explain FDM and TDM in detail.		(7)	
Q-7		Attempt all questions		(14)	
	a)	Explain simplex, half duplex and full	duplex in detail.	(7)	



	b)	Explain star topology and mesh topology in detail.	(7)
Q-8		Attempt all questions	(14)
	a)	Explain OSI reference model in detail.	(7)
	b)	Explain following network types in detail.	(7)
		PAN, LAN, WAN	

