	Enrolln	nent No:	: Exam Seat No:							
	C.U.SHAH UNIVERSITY Summer Examination-2016									
	Subject Name: Computer Networks									
		Code: 4TE05CNW1		Branch: B.Tech (CE)						
	Semeste Instructi	er: 5 Date: 21	/04/2016	Time :02:30	, ,	Marks: 70				
	 Use of Programmable calculator & any other electronic instrument is prohibited. Instructions written on main answer book are strictly to be obeyed. Draw neat diagrams and figures (if necessary) at right places. Assume suitable data if needed. 									
Q-1	•									
	a)	Define: Topology.								
	b)	Define: Protocol. Define: Interface.								
	c)									
	d)	Define: Transmission Mode. Define: Logical addressing.								
	e)									
	f)	Define: Jitter Control.								
	g)	Which is the device belongs to the OSI network layer?								
		(A) Switch		(B) Repeater						
	1.1	(C) Gateway		(D) Router						
	h)	MTU Stands for								
		(A) Minimum Transfer Unit(B) Maximum Transfer Unit(C) Minimum Transmission Unit(D) Maximum Transmission Unit								
	:/	RIP is based on	mission Unit	(D) Maxilliulli 1	Tansinission	UIIIt				
	i)		. ~	(D) Distance was	ton noutin o					
		(A) Link State routin	_	(B)Distance vector r (D)Path vector r	_					
	: 7	(C) Dijkstra's algorit	•	d						
	j) Subnetting and Supernetting techniques are used to help avoid (A) Congestion at Routers (B) The running out of address space prol									
		, ,		` '						
	1-7	(C) Overflow of buff		=	_					
	k)	The data link layer takes the packets from and encapsulates them into frames for transmission.								
			881011.	(P) physical law	٠.					
		(A) network layer		(B) physical laye	51					



(D) application layer

(C) transport layer



	l)	In Stop and Wait ARQ if ACK1 is sent by receiver then the sender Sends								
		(A) Frame-1	(B)	Frame-2						
		(C) Frame-0	(D)	None of these						
	m)	Piggybacking is a method of								
		(A) Backtracking		(B) Forwarding						
		(C) Method to combine a data frame and ACK (D) None of these								
	n) The Data-Link layer is divided into									
		(A) MAC and LLC (B)L2CAP and MAC								
		(C) LCAP and MAC	(D)Non	ne of these						
Atten	npt any	four questions from Q-2 to Q-8								
Q-2	Attem	Attempt all questions								
	a)	Explain OSI\ISO reference model and its function.								
	b)	Explain LAN, MAN & WAN.								
Q-3	Attem	tempt all questions								
	a)	Discuss different types of guided and	unguided	guided media used to transmit data in	08					
		network.								
	b)	Explain STOP and Wait Protocol.								
Q-4		attempt all questions								
	a)	Enlist various framing techniques used in data link layer. Explain any one in detail with suitable example.								
	b)	Explain GO Back N & Selective Repeat Protocol.								
Q-5	Attem	empt all questions								
	a)	Explain CSMA with Collision Detection.								
	b)	Explain Bridge, Hub, and Router & Gateway.								
Q-6	Attem	Attempt all questions								
	a)	Explain Shortest Path Routing & Examples.								
	b)	Explain Virtual LAN with suitable Example.								
Q-7	Attempt all questions a) Explain IP4 Address. 07									
	a)	Explain IP4 Address.								
	b)	Difference Virtual Circuit and Datagram Circuit.								
Q-8	Attem	pt all questions			07					
	a)	Explain SMTP and POP3.								
	b)	Explain WWW and HTTP.			07					



