<b>Enrollment No:</b>	Exam Seat No:	

## C. U. SHAH UNIVERSITY Winter Examination-2019

**Subject Name: Introduction to Networking & Internet** 

Subject Code: 4CS01INT2 Branch: B.Sc.I.T.

Semester :1 Date : 16/11/2019 Time : 02:30 To 05:30 Marks : 70

**Instructions:** 

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

a)	Attempt the following question LAN stands for	s:	
	(A) Limited Area Network	(B) Logical Area Network	
	(C) Local Area Network	(D) Large Area Network	
<b>b</b> )	How long is an IPv4 address?	. , ,	
	(A) 32 bits	(B) 128 bytes	
	(C) 64 bits	(D) 128 bits	
c)	Which device performs modulation and demodulation?		
	(A) Modem	(B) Fiber optic	
	(C) satellite	(D) coaxial cable	
<b>d</b> )	Communication mode which sup	ports data in both directions at the same	
	time is called		
	(A) simplex	(B) Full duplex	
	(C) Half duplex	(D) multiplex	
e)	Bluetooth is an example of		
	(A) personal area network	(B) local area network	
	(C) virtual private network	(D) none of the above	
f)	Which transmission media has the highest transmission speed in a network?		
	(A) coaxial cable	(B) twisted pair cable	
	(C) optical fiber	(D) electrical cable	
g)	DNS stands for		
	(A) Dynamic Name System	(B) Dynamic Network System	
	(C) Domain Name System	(D) Domain Network Service	
h)	Cable also find application in cable television networks for		
	computer communications.		
	(A) Co-axial	(B) UTP	



		(C) STP	(D) Optical Fiber	
	i)	ADSL is the abbreviation of		
		(A) Asymmetric Dual Subse	criber Line	
		(B) Asymmetric Digital Sys	stem Line	
		(C) Asymmetric Dual System Line		
		(D) Asymmetric Digital Sul	oscriber Line	
	<b>j</b> )	What is the size of MAC Add	dress?	
		(A) 16-bits	(B) 32-bits	
		(C) 48-bits	(D) 64-bits	
	k)	What is the natural mask for		
		(A) 255.255.255.1	(B) 255.255.255.0	
		(C) 255.255.255.254	(D) 255.255.255	
	l)	What is the benefit of Netwo	rking?	
		(A) File Sharing	(B)Resources sharing	
		(C) Easier Backups	(D) All of the above	
	m)	Which of the following is sin	igular tag?	
		(A) <html></html>	(B) <img/>	
		(C) < body >	(D)	
	n)	Which tag is used to place so	rolling text ?	
		(A) <scrolling></scrolling>	(B) <textscroll></textscroll>	
		(C) <scrollingtext></scrollingtext>	(D) <marquee></marquee>	
	pt any	four questions from Q-2 to	Q-8	(1.1)
Q-2	(a)	Attempt all questions  Explain Client server model	and near to near model	(14)
		Explain Client server model	(5) (5)	
		Explain various components Explain internet and intranet.		(5) (4)
	(c)	Explain internet and intranet.	•	(4)
Q-3		Attempt all questions		(14)
Q v	(a)	What is network? Explain ob	jectives of network.	(5)
	(b)	-	guided media and unguided media.	(5)
	(c)	Explain network services.		(4)
	( )	1		· /
Q-4		Attempt all questions	(14)	
	(a)	Explain IPV4 protocol with o	classes.	<b>(5)</b>
	<b>(b)</b>	Explain simplex mode, half	<b>(5)</b>	
	<b>(c)</b>	Explain DNS in detail.		(4)
Q-5		Attempt all questions		(14)
~ ·	(a)	Explain <body> with any fiv</body>	e attributes.	(5)
	(b)	Explain <img/> with any five		(5)
	(c)	Explain HTML Page structur		(4)
	` '			` '



<b>Q-6</b>		Attempt all questions	(14)
	(a)	Explain serial transmission and parallel transmission.	(5)
	<b>(b)</b>	Explain twisted pair cable.	(5)
	<b>(c)</b>	Explain infrared transmission.	(4)
Q-7		Attempt all questions	(14)
	(a)	Explain HTML list in detail.	<b>(7</b> )
	<b>(b)</b>	Explain <frameset>, <frame/> tag with attributes.</frameset>	(7)
Q-8		Attempt all questions	(14)
	(a)	Explain LAN, MAN, WAN with its diagram.	<b>(7</b> )
	<b>(b)</b>	Explain bus topology, star topology and ring topology in detail.	<b>(7)</b>

