Exam Seat No:_____ C. U. SHAH UNIVERSITY Winter Examination-2019

Subject Name : Data Communications & Networking (DCN)

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Subject Code : 4CS05NWT1			Branch: M.Sc.C.A. & I.T	Branch: M.Sc.C.A. & I.T. (Integrated)		
Sei	meste	er : 5 Date : 10/10/201	19 Time : 02:30 To 05:30	Marks: 70		
Ins	(2) (3)	Use of Programmable calculate		rohibited.		
Q-1		Attempt the following MC	CQs:	(14)		
	1)	Internet is an example of the	e network.			
		a) LAN	b) MAN			
		c) WAN	d)PAN			
	2)	In the tra	ansmission mode, communication is unio	directional.		
		a) Simplex	b)Half duplex			
		c) Full duplex	d)Hybrid			
	3)	In the trai	nsmission mode, both stations can transm	nit and		
		receive at the same time.				
		a) Simplex	b)Half Duplex			
		c) Full Duplex	d)Hybrid			
	4)	Which of this is not a guide	d media?			
		a) Fiber optical cable	b) Coaxial cable			

- Coaxial cable consists of _____ concentric copper conductors. 5) b) 2 a) 1
 - c) 3 d) 4

c) Wireless LAN

- Radio channels are attractive medium because _____ 6) a) Can penetrate walls
 - b) Connectivity can be given to mobile user
 - c) Can carry signals for long distance
 - d) All of the mentioned
- 7) OSI stands for



d) Copper wire

		a) open system interconnection	b) operating system interface		
		c) optical service implementation	d) none of the mentioned		
	8) The OSI model has layers.				
		a) 4	b) 5		
		c) 6	d) 7		
	9)	The functionalities of presentation layer includes			
		a) Data compression	b) Data encryption		
		c) Data description	d) All of the mentioned		
	10)	n a host?			
		a) physical address	b) logical address		
		c) port address	d) specific address		
	11)	In the OSI model, as a data packet moves from the lower to the upper layers,			
		headers are			
		a) Added	b) Removed		
		c) Rearranged	d) None of the mentioned		
	12) The network layer concerns with				
		a) bits	b) frames		
		c) packets	d) none of the mentioned		
	13) Which one of the following task is not done by data link layer?				
		a) framing	b) error control		
		c) flow control	d) channel coding		
	14) The number of layers in Internet protocol stack		tocol stack		
		a) 5	b) 7		
		c) 6	d) None of the mentioned		
Atten	npt any	y four questions from Q-2 to Q-8			
Q-2		Attempt all questions			
	a)	a) What is network? Explain types of network.			
	b)				
Q-3		Attempt all questions			
	a)	Explain network configuration mode	network configuration model.		
	b)) What is data communication? Explain components of data communication.			
Q-4	Q-4 Attempt all questions				
a) List down the guided media. Explain Twisted Pair cable with figure.				07	
	b) Explain fiber optic cable with figure.				



Q-5	Attempt all questions	
a) Explain TCP/IP protocol suite with proper diagram.	07
b) List down the unguided media. Explain any one in brief.	07
Q-6	Attempt all questions	
a) What is internet? Differentiate internet and intranet.	07
b) Explain Dial-up and leased line internet connection.	07
Q-7	Attempt all questions	
a) List down types of transmission modes. Explain in brief.	07
b) Explain network and transmission layer of OSI model.	07
Q-8	Attempt all questions	
a) List down types of data flow modes. Explain in brief.	07
b) Explain Physical and Data Link Layer of OSI model.	07

