## SOLVED MODEL QUESTION PAPER (End Sem) Computer Networks

T.E. (AI&DS) Semester - V (As Per 2019 Pattern)

Tir	ne :	2 1/2 Hours)	[Maximum Marks : 70	)
N.E	3. :			
	1)	Attempt Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.		
	2)	Neat diagrams must be drawn wherever necessary.		
	3)	Figures to the right side indicate full marks.		
	4)	Assume suitable data if necessary.		
Q.1	a)	What is IPv4? Draw and explain header format of IPv4. (Refer sections 3.3 and 3.3.5)	[8]	
	b)	Explain count-to-infinity problem. (Refer section 3.10.1)	[5]	8
	c)	DID W. OCDF (Befor sections	3.14.1 and 3.14.5) [5]	
Q.2	a)	Explain Link state routing with example. (Refer section 3	.11) [8]	
	ь)	What is routing? Explain static routing. (Refer section 3.	7.5	
	c)	Write IPv6. (Refer section 3.4)	[5]	
Q.3	a)	What are three different types of sockets? Explain various in connection oriented client server approach. (Refer section	s socket primitives used in 4.2) [12]	
	b)	Explain 802.11 wireless frame format? (Refer section 6.7	7) [5]	
Q.4	a)	What is the difference between persistent and non persistent HTTP request and reply message format. (Refer section 5.3)	stent HTTF? Explain 3) [12]	
	b)	Explain CSMA/CD in detail ? (Refer section 6.3)	[5]	
Q.5	a)	Explain FTP in detail? Explain any four FTP commands.	Refer section 5.8) [12]	
	b)	Give comparison of Pure and Slotted ALOHA. (Refer section	n 6.3) [6]	
<b>Q</b> .6	a)	What is DNS ? Explain its various resource records with on (Refer section 5.5)	e example. [12]	

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	b)	Explain HTTP request and reply message format. (Refer section 5.3) [6]
Q.7	a)	Why we need DHCP? Explain in detail. (Refer section 5.10) [3]
	b)	Explain working of IMAP. (Refer section 5.6)
	c)	Explain working of CSMA/CA with the help of flow diagram. (Refer section 6.4) [8]
		OR
Q.8	a)	Draw and explain frame format of 802.16 standard. (Refer section 6.9) [3]
	b)	Explain DNS message format ? (Refer section 5.5) [8]
	c)	Represent 101011100 using Manchester and differential Manchester line coding technique. (Refer example 6.6.1)