Paper / Subject Code: 41002 / Computer Networks

13-May-19 NETWORKS 1T01224 - S.E.(INFORMATION TECHNOLOGY) (Sem IV) (Choice Based) / 41002 - COMPUTER 56009

[Time: Three Hours]	[Marks:80]
Note:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
1) Q.1 is compulsory	
2) Answer any 3 from Q2-Q6	
Q.1. Answer the following (5M each)	
 a) Consider five source symbols of a discrete memory less source shown. Follow the Huffman's algorithm to find the codeword m1 m2 m3 m4 m5 0.4 0.2 0.2 0.1 0.1 b) Compare Bus and Star topology c) Compare Message Switching and Circuit Switching 	
d) Compare LAN,MAN,WAN	
Q.2. a) Draw and explain the OSI Reference Model.	(10)
	(101010CF 1 1 1 1
Q.2. b) Generate the CRC code for a dataword 110010101. The divise there are errors in the received codeword.	or 10101. Check whether (10)
Q.3. a) Explain ALOHA and Slotted ALOHA.	(10)
Q.3. b) Compare wired and wireless media.	(10)
Q.4. a) Explain the IPV4 header format.	(10)
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Q.4. b) Compare TCP and UDP.	(10)
Q.5. a) What is routing? Explain DVR with an example.	(10)
Q.5. b) Explain sliding window protocol.	(10)
Q.6. Write short notes on any four: (5M each)	
a) Speech Compression	
b) DNS	
c) Congestion Control	
d) TCP Timers e) WWW	
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