JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT MAKEUP EXAMINATION- 2016

B.Tech VI Semester

COURSE CODE: 10B11EC 611	MAX. MARKS:	25
COURSE NAME: TELECOMMUNICATION NETWORK		:
COURSE CREDITS: 4	MAX. TIME: 1Hr 30 M	/Iin
Note: All questions are compulsory. Carrying of mobile phone durin	g examinations will be	
treated as case of unfair means.		
Q1. a) Derive the expression for the maximum throughput of ALOH throughput is 18%.	A and show that maximu	ım (3)
b) In CSMA technique, how the medium is accessed between variou	s nodes	(2)
Q2. a) Explain the working of 3 bit sliding window protocol with suit	table example.	(3)
b) What is the difference between network layer delivery and transpo	ort layer delivery?	(2)
Q3. Differentiate between (i) message switching, packet switching a	and circuit switching	
(ii) OSI layer protocol and transport layer protocol.		(5)
Q4. Explain and draw the flow diagram of Stop-and -Wait A acknowledged, Frame 1 lost and for next frame 0 delayed acknowledged		ally (5)
Q5. What are the basic functions of the data link layer? Write down protocol? Could HDLC be used as a data link protocol for a LAN? J)L((5)