B.E. (Electronics Engineering / Elect. & Telecommunication / Elect. & Communication Engineering) Eighth Semester (C.B.S.)

Computer Communication Network

P. Pages: 2 Time: Three Hours			NRJ/KW/17/4687/4699 Max. Marks: 80	
	Note	 All questions carry marks as indicated. Solve Question 1 OR Questions No. 2. Solve Question 3 OR Questions No. 4. Solve Question 5 OR Questions No. 6. Solve Question 7 OR Questions No. 8. Solve Question 9 OR Questions No. 10. Solve Question 11 OR Questions No. 12. Due credit will be given to neatness and adequate dimensions. Assume suitable data whenever necessary. Illustrate your answers whenever necessary with the help of 		
1.	a)	What is computer network? Discuss different applications of comput	er networks. 6	
	b)	Clearly bring out the difference between LAN, MAN and WAN with	n examples. 7	
		OR		
2.	a)	With neat diagram, explain TCP/IP model.	7	
	b)	Draw and explain OSI reference model.	6	
3.	a)	Compare the characteristics of Data gram packet switching and virtu switching.	al circuit packet 6	
	b)	Write short note on IEEE 802.11 a, b and g.	7	
		OR		
4.	a)	Explain HDLC in detail.	6	
	b)	Explain briefly the concept of working of a Token ring (IEEE 802.5 standard) 7		
5.	a)	Explain the difference between pure ALOHA and slotted ALOHA.	7	
	b)	Explain FDDI token ling network.	7	
		OR		
6.	a)	What are sliding window protocols? Explain various cases in go-bac	k-n protocol. 7	
	b)	Show that the window site for selective repeat ARQ protocol should	be less than 2 ^{m-1} . 7	
7.	a)	What is congestion control? Explain the leaky bucket algorithm.	6	
	b)	Differentiate between IPv4 and IPv6	7	
		OR		


