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

## **Computer Communication Network**

P. Pages: 2 Time: Three Hours				/KS/17/7549/7561 Max. Marks : 80	
	Note	s: 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	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 neat sket Use of non programmable calculator is permitted.	etches.	
1.	a)	State va	rious services provided by the Network for companies and people.	(	
	b)	Draw th	e OSI reference model and explain the function of different layers.	7	
			OR		
2.	a)	Write sh	nort notes on X.25 Networks.	7	
	b)	Compar	re ATM and frame Relay.		
3. (	a)	What ar	e different guided and unguided media? Explain in detail.	(m)	
	b)	Explain diagram	Datagram packet switching and virtual circuit packet switching with	the help of	
			OR		
4.	a)	Write sh	nort notes on IEEE std 802.11 a, b, c, g.	7	
	b)	Explain	cable modem and DSL technologies.		
5.	a)	Write sh	nort notes on flow control.	7	
	b)	Explain	frame format of HDLC.		
	0		OR	10	
6.	a)	Explain and NIC	the Network Hardware components HUBs, Bridges, Repeaters, Swit	tch, Router	
	b)	_	the different sliding window protocols.  Back-N ii) Selective Repeat		
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7.	a)	Explain wireless TCP & UDP. 7
	b)	Draw and explain IPv4 Header format and compare it with IPv6 format. 7
		OR
8.	a)	Explain distance vector routing protocol in network layer. 7
	b)	Explain:  i) Link state routing  ii) Path vector routing
9.		Write short notes on:
		a) Ping protocol. 3
(9)	3	b) BOOTP 4
)(	9)	c) DNS 3
		d) File transfer protocol.
		OR
10.		Write short notes on :
		a) Streaming Audio / Video. 7
		b) P2P file sharing. 7
11.	a)	Give the difference between convention and public key encryption. 7
	b)	Explain the secret key Algorithm. 6
		OR
12.		Write short notes on:
		a) Network Tester.
		b) Internet access through
		Dialup/DSL/Leased Line/Mobile handset.
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