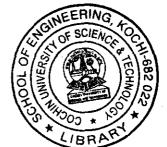
Time: 3 Hours

B. Tech Degree VII Semester (Supplementary) Examination June 2008

EB/EI/EE 701 COMPUTER COMMUNICATION AND NETWORKS

(2002 Scheme)

I.	(a)	Explain the different network topologies.	(10)
•	(b)	Explain the concept of internet and internet services.	(10)
		OR	
II.		With the help of a diagram explain each and every function performed by each layer in OSI reference model.	(20)
		ii OSI feference model.	(20)
ΙΊΙ.	(a)	Differentiate between base band and broad band transmission.	(5)
	(b)	Explain full duplex and half-duplex links.	(5)
	(c)	What are the functions of MODEM? Explain the working of one MODEM in detail. OR	(10)
IV.	(a)	Explain stop and wait sliding window protocol.	(10)
	(b)	Explain X – 21 digital interface.	(10)
V.	(a)	Explain the difference between virtual circuits and datagram.	(8)
	(b)	Explain any two congestion control algorithm.	(12)
		OR OR	(0)
VI.	(a)	Explain CSMA/CD.	(8)
	(b)	Explain the different IEEE 802 standards.	(12)
VII.	(a)	Explain client-server model.	(10)
	(b)	Explain multiplexing and crash recovery	(10)
3.7777	(-)	OR	(10)
VIII.	(a) (b)	Explain flow control and buffering. With the help of a diagram explain the implementation of RPC.	(10)
	(0)	with the help of a diagram explain die implementation of id e.	(10)
IX.	(a)	Explain the different data compression techniques.	(10)
	(b)	Explain the functions of presentation layer. OR	(10)
Χ.		Write short notes on :	
		(i) Virtual terminal (ii) FTP	
		(iii) Electronic mail (iv) Distributed system (v) Cryptography.	(20)
		(1) Ci ypiographiy.	(20)



Maximum Marks: 100