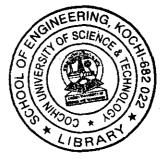
Time: 3 Hours

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

EB/EI/EE 701 COMPUTER COMMUNICATION AND NETWORKS

(2002 Scheme)

Time,	Jilouis	· ·	ш. 100
I.	(a)	Explain the different network topologies.	(10)
1.	(b)	Explain the concept of internet and internet services.	(10)
	(0)	OR	(10)
II.	1	With the help of a diagram explain each and every function performed by each layer	
	,	in OSI reference model.	(20)
,			
III.	(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.	(10)
IV.	(a)	OR Explain stop and wait sliding window protocol.	(10)
1 .	(a) (b)	Explain X – 21 digital interface.	(10)
	(0)	Explain X = 21 digital interface.	(10)
V.	(a)	Explain the difference between virtual circuits and datagram.	(8)
٠.	(b)	Explain any two congestion control algorithm.	(12)
	(0)	OR	()
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)
	`.'	OŘ	• •
VIII.	(a)	Explain flow control and buffering.	(10)
	(b)	With the help of a diagram explain the implementation of RPC.	(10)
IX.	(a)	Explain the different data compression techniques.	(10)
	(b)	Explain the functions of presentation layer.	(10)
	•	OR	
Χ.		Write short notes on :	
		(i) Virtual terminal (ii) FTP	
		(iii) Electronic mail (iv) Distributed system	(20)
		(v) Cryptography.	(20)



Maximum Marks: 100