

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

EB/EI/EE 701 COMPUTER COMMUNICATION AND NETWORKS (2002 Scheme)

Time : 3 Hours

Maximum Marks : 100

- 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)
- 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)
OR
- 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
- 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)
OR
- 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
- X. Write short notes on :
(i) Virtual terminal (ii) FTP
(iii) Electronic mail (iv) Distributed system
(v) Cryptography. (20)

