

B. Tech Degree VI Semester Examination April 2011

CS/IT 606 COMPUTER NETWORKS (2006 Scheme)

Time : 3 Hours

Maximum Marks : 100

PART – A (Answer ALL questions)

(8 x 5 = 40)

- I. (a) Differentiate between LAN, MAN and WAN.
(b) Briefly explain what is transport layer multiplexing and demultiplexing.
(c) Draw and explain IP datagram format.
(d) List the various services provided by Data link layer.
(e) Write notes on Hierarchical routing.
(f) Write notes on CDMA.
(g) Differentiate between circuit and packet switching .
(h) What is frame relay?

PART – B

(4 x 15 = 60)

II. Write notes on :

- (i) FTP
(ii) SNMP
(iii) RPC

(15)

OR

III. Explain TCP/IP reference model.

(15)

IV. (a) Briefly explain the various steps in TCP connection management.

(5)

(b) Draw and explain TCP states in server and client while TCP protocol is running.

(10)

OR

V. Explain TCP and UPP segment structure with neat diagrams.

(15)

VI. Explain various sliding window protocols.

(15)

OR

VII. Write notes on :

- (i) HDLC
(ii) PPP

(15)

VIII. Explain various transmission media used in networks.

(15)

OR

IX. Write notes on :

- (i) ISDN
(ii) BISDN

(15)