2003 CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING(C-DAC) M.C.A

END - TERM EXAMINATION
FOURTH SEMESTER [MCA] – MAY 2003
COMPUTER NETWORKS

Paper Code : MCA-210
Time : 3 Hours
Maximum Marks : 60

Q1. (a) What are the aims and objectives of computer networking? Discuss the various types of computer networking.

(b) What is OSI model of network architecture? Explain the advantages and disadvantages of OSI model.

Q2. (a) Discuss the difference between twisted hair and co-axial cables.

(b) What do you mean by ISDN? Discuss its services and architecture.

Q3. What is the function of data link layer? Discuss the various design issues of it.

Q4. (a) Discuss the channel allocation problems.

(b) Discuss IEEE standard 802 for LANS.

Q5. Discuss in detail the various network layer design issues.

Q6. What is Routing? Discuss various routing algorithms.

Q7. What do you mean by MAN? Discuss IEEE standard 802 for MANS.

Q8. Write short notes on the following:-
(a) Subneting
(b) Fiber cable
(c) Satellite network