B.C.A. (Part-II) Semester–IV (Old) Examination

NETWORKING

Paper–45T4

Time : Three Hours]　　　　　　　　　　　　　　　　　　[Maximum Marks : 60

Note :— (1)　All questions are compulsory.

　　　　　(2)　All questions carry equal marks.

1. (a)　What is Network Topology ? Explain its various types with suitable diagram.　6

　　(b)　Explain :

　　　　(i)　Completely connected Network.　3

　　　　(ii)　Multipoint Network.　3

OR

2. (a)　Explain various components of Network.　6

　　(b)　Explain OSI model in detail with suitable diagram.　6

3. (a)　Explain the working of MODEM in detail with suitable diagram.　6

　　(b)　Explain Media Access control in detail.　6

OR

4. (a)　Explain the concept of modulation and also explain its types with suitable diagram.　6

　　(b)　Explain OSI model in detail with suitable diagram.　6

5. (a)　Explain the concept of Network Routing.　6

　　(b)　Explain data link protocols in detail.　6

OR

6. (a)　What do you mean by Transmission Efficiency ? Explain.　6

　　(b)　Explain :　6

　　　　(i)　FTP

　　　　(ii)　HTTP.

7. (a)　Explain the various components of LAN.　6

　　(b)　Explain the concept of FDDI with suitable diagram.　6

OR

LV–23606　　　　　　　　　　　　　　　1　　　　　　　　　　　　　　　(Contd.)

8. (a) Explain the concept of Fast Etherent in detail.   6

    (b) Explain the following :   6

         (i)   Token Ring

         (ii) MAP.

9. (a) Explain the concept of unauthorised Access.   6

    (b) Explain the importance of Network security.   6

                                   OR

10. (a) Explain Risk Assessment in network security.   6

    (b) Explain the following :   6

         (i)   Switched circuit services

         (ii) Packet switched network.