



AR - 0648

B.C.A. Part - II Semester - IV
Paper - 4ST4 : Networking

P. Pages : 2

Time : Three Hours

Max. Marks : 60

- Notes :
1. All questions carry equal marks.
 2. All questions are compulsory.
 3. Assume suitable data wherever necessary.

1. a) What is Network? Describe its advantages. **6**
b) Explain Hybrid Network with neat diagram. **6**

OR

2. a) State advantages and disadvantages of ring topology. **6**
b) Explain wide area network with example. **6**
3. a) Explain the architecture of the OSI model. **6**
b) Explain the working of MODEM. **6**

OR

4. a) Explain different modulation Techniques used in data transmission. **6**
b) What is data transmission? Explain digital data transmission. **6**

5. a) Explain Asynchronous Transmission used in Data link protocols. 6
b) Explain Hypertext Transmission Protocol (HTTP) 6

OR

6. a) What is Transmission efficiency? Explain. 6
b) Explain the working of TCP/IP. 6

7. a) Explain any two components used in Local Area Network. 6
b) Explain token ring standard of LAN. 6

OR

8. a) Explain how to improve the performance of LAN. 6
b) Explain the term FDDI. 6

9. a) Explain any two types of communication services. 6
b) How do you maintain Network security? Explain. 6

OR

10. a) Explain switched circuit services of communication. 6
b) Explain Risk Assessment in Network security. 6
