

B.C.A. (Part—II) Semester—IV Examination
4ST4 : NETWORKING

Time : Three Hours]

[Maximum Marks : 60

- Note :—** (1) All questions are compulsory.
(2) All questions carry equal marks.
(3) Assume suitable data wherever necessary.

1. (a) Explain OSI model with suitable diagram. 6
(b) Explain completely connected network with diagram. 6

OR

2. (a) Explain International Organization for Standardization (ISO). 6
(b) What do you mean by Network topology ? Explain any two topologies. 6
3. (a) Explain analog and digital data transmission with block diagram. 6
(b) Explain Media Access Control. 6

OR

4. (a) What is Modem ? What are the standards of Modem ? 6
(b) Explain error control in network. 6
5. (a) Explain TCP/IP and HTTP. 6
(b) Explain Data Link Protocol in detail. 6

OR

6. (a) What are the various services provided by network layer ? 6
(b) Describe the working of FTP with suitable example. 6
7. (a) Explain the concept of Fast Ethernet in detail. 6
(b) Explain switched network in detail. 6

OR

8. (a) Explain FDDI with suitable diagram. 6
(b) Explain :
(i) MAN
(ii) WAN 6
9. (a) Explain dialed and dedicated communication services. 6
(b) Explain :
(i) Switched Circuit Services
(ii) Packet Switched Services. 6

OR

10. (a) Explain the importance of Network Security. 6
(b) Explain Risk Assessment in network security. 6

