

AM-240

B.C.A. Part—II (Semester—IV) Examination

NETWORKING

Paper—4 ST 4

Time—Three Hours]

[Maximum Marks—60

Note :—(1) **ALL** questions are compulsory.

(2) All questions carry equal marks.

1. Explain various network topologies with neat diagram. 12

OR

2. (a) Explain OSI model. 6
(b) Describe the network concept with its goal and advantages. 6
3. Explain Analog and Digital Data Transmission. Draw its block diagram. 12

OR

4. (a) Explain :
(i) Media Access Control
(ii) Error control in network. 6
- (b) Explain the use of Modem. 6

5. (a) Explain the different types of Network Routing. 6
(b) Explain the various data link protocols. 6

OR

6. Explain network standard. Also explain various network protocols in brief. 12
7. (a) Explain the concept of LAN. What are the applications and benefits of LAN ? 6
(b) Explain :
(i) Packet Switched Network
(ii) Fast Ethernet. 6

OR

8. (a) Explain the concept of FDDI (Fiber Distributed Data Interface) in brief. 6
(b) Explain :
(i) Token Ring
(ii) MAP. 6
9. (a) Write a short note on risk assessment. 6
(b) Explain Dialed and Dedicated Internet Connection. 6

OR

10. (a) Explain the importance of Network Security. 6
(b) Explain the threats to Network Security. 6