

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

NETWORKING

Paper—4ST4

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) What is Network Topology ? Explain the types of network topologies. 6
- (b) Explain :
 - (i) Completely Connected Network
 - (ii) Multipoint Network. 6

OR

2. (a) Explain OSI model with suitable diagram. 6
- (b) Explain with suitable diagram :
 - (i) LAN
 - (ii) WAN. 6
3. (a) Explain analog data transmission and their advantages. 6
- (b) Explain the use of MODEM and its working. 6

OR

4. (a) What digital data transmission ? Explain Block diagram of it. 6
- (b) Explain error control in network. 6
5. (a) Explain Network Protocol with suitable diagram. 6
- (b) Explain the working of Network Routing in detail. 6

OR

6. (a) What do you mean by Transmission Efficiency ? Explain. 6
(b) Explain :
(i) FTP
(ii) HTTP. 6
7. (a) Explain Switch Network in detail. 6
(b) What is LAN and explain its component. 6

OR

8. (a) Explain the types of LAN. 6
(b) Explain :
(i) Fast Ethernet
(ii) Token Ring. 6
9. (a) Explain types of Communication Services. 6
(b) Explain the concept of Unauthorised Access. 6

OR

10. (a) Explain Network Security with its threats. 6
(b) Explain dialed and dedicated communication services. 6