

AP—556

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

NETWORKING

Paper-4ST4

Time—Three Hours]

[Maximum Marks—60

N.B. :— (1) All questions are compulsory.

(2) All questions carry equal marks.

1. (A) Explain Star Topology with a neat diagram. State its advantages and disadvantages. 6
- (B) Explain services of various layers in OSI model. 6

OR

2. (A) Explain the completely connected network. 6
- (B) Explain Hybrid Network. 6
3. Explain Digital and Analog Data Transmission with block diagram. 12

OR

4. (A) Explain Error control in Network. 6
- (B) What is Modem ? Describe its working. 6
5. (A) Explain Data Link Protocol. 6
- (B) Explain the services provided by TCP/IP. 6

OR

6. (A) Describe various strategies used for network routing. 6

- (B) What are the services provided by network layer ? 6
7. (A) Explain the concept of Fast Ethernet. 6
- (B) Describe various ways to improve LAN performance. 6

OR

8. (A) Explain various components of LAN. 6
- (B) What is MAP ? Explain. 6
9. (A) Explain packet switched network. 6
- (B) Explain dialed circuit services. 6

OR

10. (A) What is Network Security ? Describe various threats. 6
- (B) Explain the problem of unauthorised access. 6