Register Number :

Name of the Candidate :

6 6 9 1

B.C.A. DEGREE EXAMINATION, 2008

(SECOND YEAR)

(PART - III)

(PAPER - XVII)

730. COMPUTER NETWORKS

(New Regulations)

(Including Lateral Entry)

December]   [Time : 3 Hours

Maximum : 100 Marks

SECTION – A   (8 × 5 = 40)

Answer any EIGHT questions.
All questions carry equal marks.

1. Discuss the design issues for the layers.

2. Give a note on network structure.

3. Write about bridge and its importance.

Turn over

4. Briefly discuss the need of routers in networking.

5. With diagram explain the concept of virtual circuits.

6. Discuss the message switching concept.

7. Write about ISDN.

8. Distinguish internet from intranet.

9. Briefly explain the concept of DNS.

10. Write the procedure of connection establishment among network systems.

SECTION – B   (3 × 20 = 60)

Answer any THREE questions.
All questions carry equal marks.

11. Give a detailed description on ISO-OSI reference model.   (20)

12. Narrate the concept of interconnection topologies.   (20)

13. Compare circuit switching with packet switching.   (20)

14. Explain the following concepts in detail :

 (a) LAN.   (10)

 (b) WAN.   (10)

15. Describe the transmission control protocol / internet protocol in detail.   (20)