

Register Number :

Name of the Candidate :

1 2 8 0

B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(THIRD YEAR)

(PART - III)

(PAPER - XVII)

721. COMPUTER NETWORKS

(*New Regulations*)

(*Including Lateral Entry & Double Degree*)

May]

[Time : 3 Hours

Maximum : 100 Marks

PART - A (8 × 5 = 40)

Answer any EIGHT questions.

All questions carry equal marks.

1. Write the advantages of computer networks.
2. Explain the various network standards and organization.

Turn Over

3. Explain any five Binary Synchronous Control Characters.
4. Draw the frame format of HDLC and explain the various fields.
5. Explain the characteristics of LAN.
6. Explain the frame format of token ring network.
7. Write a detailed note on RSA algorithm.
8. Discuss about ISO security recommendations.
9. Explain any one E-Mail protocol.
10. Write short notes on SNMP.

PART - B (3 × 20 = 60)

Answer any THREE questions.

All questions carry equal marks.

11. Describe the ISO OSI reference model.
12. Describe the Go Back N sliding window protocol.
13. Explain any four techniques to avoid congestion.

14. Describe the various digital signatures schemes.
15. Describe the protocols for file management.