Roll No. ..... Total Pages : 1

BT-5/D-21 **45247**

COMPUTER NETWORKS (ELECTIVE-V)

Paper–ECO-1A

Time Allowed : 3 Hours] [Maximum Marks : 75

Note : Attempt **five** questions in all, selecting at least **one** question from each Unit. All questions carry equal marks.

UNIT-I

1. Explain TCP/IP architecture. List various protocols used in different layer of TCP/IP architecture. Differentiate TCP/IP and OSI architecture. 15

2. Discuss the function performed by different layers of ATM. What are the different services provided by ATM adaptation layer? 15

UNIT-II

3. Discuss the role of CRC and Hamming code in detection and correction of error in networks with suitable example. 15

4. What is the significance of ALOHA protocol in computer network. Differentiate Pure and slotted ALOHA. 15

UNIT-III

5. Differentiate IPv4 and IPv6. Make the header diagram for IPv4 and IPv6. Discuss various IP address classes used for computer networks. 15

6. Differentiate Leaky bucket and Token bucket algorithm. Write algorithm for Token bucket. 15

UNIT-IV

7. Discuss various design issues of application layer. List various protocols used in application layer. Explain the working of FTP protocol. 15

8. Write short notes on: 2×7½=15

   (a) HTTP

   (b) WWW.