BT-5/D-22   45247

COMPUTER NETWORKS
Paper – ECO-1-A

Time : Three Hours]   [Maximum Marks : 75

Note : Attempt any *five* questions selecting at least *one* question from each unit.

UNIT–I

1. What is difference between OSI and TCP/IP model of computer networks? What is addressing scheme and also write the types of addressing scheme with the help of example? (15)

2. What is guided and unguided media? And also explain circuit switching and packet switching with the help of example. (15)

UNIT–II

3. What is framing in data link layer and also explain the issue in data link layer? What are the applications and structure of HDLC protocol? (15)

4. What are different wired LAN protocol and wireless LAN protocol? Explain ALOHA protocol in detail. (15)

UNIT–III

5. What is use of Network Layer also explain SNMP and ARP protocol in detail with the help of example. (15)

6. What do you mean by flow control and congestion control at transport layer in detail with the help of example? (15)

UNIT–IV

7. What are the design issues in application Layer and explain FTP protocol designing and its working in detail? (15)

8. Explain the following term with the help of example :
   (a) Email–SMPTP, POP protocol.
   (b) HTTP and HTTPs Protocol. (15)

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