OR

6. a) Discuss the general principles of Congestion Control   6

    b) What are the Congelion Prevention Policies?   6

UNIT-IV

7. Describe the connectionless transport and connection-oriented transport of transport layer   12

OR

8. Briefly explain the transport layer services and principles   12

UNIT-V

9. Discuss the following:

    a) DNS   b) E-MAIL Service   c) SNMP   12

OR

10. Explain the architecture and service of E-Mail   12

[EURCS 601/EURIT 601]
B.Tech. Degree Examination

CSE/IT
VI SEMESTER

COMPUTER NETWORKS

(Effective from the admitted batch 2007–08)

Time: 3 Hours   **Max.Marks: 60**

Instructions: Each Unit carries 12 marks.
Answer all units choosing one question from each unit.
All parts of the unit must be answered in one place only.
Figures in the right hand margin indicate marks allotted.

UNIT-I

1. a) Define Network and Communication. State the uses, applications
and importance of Computer Networks   6

   b) Describe the seven layers of OSI reference model in Computer
Networks   6

OR

2. Explain the following:
   a) LAN   b) MAN   c) WAN   d) Wireless Network   12

UNIT-II

3. a) Discuss wireless links and network characteristics   6
   b) Describe 802.11 architecture   6

OR

4. Explain the following:
   a) Bluetooth   b) Routers & Gateways and
   c) Data link layer switches   12

UNIT-III

5. a) Compare the datagram and virtual-circuit subnets for different
issues   6

   b) Write Dijkstra's Algorithm to compute the shortest path through
a graph   6