2015

B.E. (Information Technology)
Fourth Semester
PCIT-402: Computer Networks

Time allowed: 3 Hours   Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.

x-x-x

I.   Explain the following:-

    a)   IP addressing

    b)   SNMP

    c)   ALOHA

    d)   Choke

    e)   Multicast   (5x2)

UNIT - I

II.   Differentiate between Circuit Switching, Packet Switching and Message switching. (10)

III.   Find the sub network address for the following: (10)

    a)   IP address   :   125.34.12.56

             Mask   :   255.255.0.0

    b)   IP address   :   141.181.14.16

             Mask   :   255.255.224.0

IV.   Explain in detail different layers in OSI reference model.   (10)

UNIT - II

V.   Distinguish between a fully qualified domain name and partially qualified domain name. Give relevant example.   (10)

VI.   How routing algorithms are implemented at network layer? Explain any one routing algorithm with suitable example.   (10)

VII.   Explain the following:

    a)   Leaky bucket and token bucket

    b)   Domain name System   (5,5)

x-x-x