

COMPUTER NETWORKS
5th/Comp/IT/EEE/CSc/2626/Nov'15

Duration: 3 Hrs

M.Marks=75

Note: Attempt all Questions

SECTION-A

1. Fill in the blanks

1.5x10=15

- I.** LAN stands for
- II.** OSI stands for.....
- III.** IP stands for.....
- IV.** PSTN stands for.....
- V.** VSAT stands for.....
- VI.** PING 127.0.0.1 is loopback test (T/F)
- VII.** RAID is storage technology (T/F)
- VIII.** TCP/IP model has four abstract layers, each with its own protocols (T/F)
- IX.** WAN has higher data transfer rate than LAN (T/F)
- X.** The next generation of internet protocol is IPV6 (T/F)

SECTION-B

2. Attempt any FIVE Questions

6x5=30

- I.** What do you mean by network?
- II.** What is STAR Topology? What are its advantages and disadvantages?
- III.** Differentiate between OSI and TCP/IP model
- IV.** Write short note on Brouter (Bridge/ Router)
- V.** What is an Ethernet?
- VI.** How Bluetooth works? Explain
- VII.** Write a short note on Cryptography.

SECTION-C

Note: Attempt any THREE Questions

10x3=30

- 3.** What are the various model used in a Network? Explain in brief.
- 4.** Explain OSI reference model of networking
- 5.** What is Network Security? How it can be obtained? Explain one method.
- 6.** Explain various types of MODEMs in brief.
- 7.** What do you mean by Topology? Explain the different types of Topology.