

S.B. Roll No.....

COMPUTER NETWORKS
6th/ECE/ETV/EMP/ ECEII/2462/6061/May'16

Duration: 3Hrs

M. Marks=75

SECTION A

Note: All questions in this Section are compulsory.

Q1. Do as directed:

10x1.5=15

- a. LAN stands for _____.
- b. A bus topology is a _____ type of topology.
- c. OSI means _____.
- d. Repeaters and hub operates at physical layer. (T/F)
- e. TCP and UDP belong to _____ layer in TCP/IP model.
- f. A router distributes information between _____.
- g. Network is a client/server operating system. (T/F)
- h. Database server is a _____ type of server.
- i. Bluetooth and WLAN can co-exist.
- j. TCP/IP settings include subnet mask.

SECTION B

Q2: Attempt any FIVE questions.

5x6=30

- i. Differentiate between LAN, MAN and WAN.
- ii. Explain the function of network layer in OSI model.
- iii. What is intranet? Give its advantages.
- iv. What is a repeater? Explain its working principle.
- v. What is cryptography? Write down its applications.
- vi. How PING command is useful in network troubleshooting?
- vii. What is Wi-max? Explain briefly.

SECTION C

Attempt any THREE questions

3x10=30

Q3. Define network topology. Explain various types of topologies used in networking?

Q4. Compare OSI model with TCP/IP reference model.

Q5. What do you mean by Ethernet? Explain various types of Ethernet schemes.

Q6. Explain network printing process in detail.

Q7. Write note on any TWO:

- a. ATM
- b. RAID
- c. ARC net specifications.