

COMPUTER NETWORKS
5th Exam/Comp/IT/EEE/CSE/2626/May'18

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. a) Fill in the blanks.

15x1=15

- i. The OSI reference model has Layers.
- ii. PSTN stands for
- iii. A Small Bluetooth Network is Called
- iv. There are Classes of Network.
- v. CSMA stands for
- vi. VSAT stands for
- vii. VOIP stands for.....
- viii. A (modulator–demodulator) is a network hardware device.
- ix. IP has two Parts and Host.
- x. RAID stands for

b) State True or False.

- xi. Bus Topology is logical Topology
- xii. The Next generation of internet Protocol Is IPv6.
- xiii. FTP in TCP/IP protocols is the used for transferring files from one machine to another.
- xiv. A Simplex system works in two directions.
- xv. Hybrid topology is the combination of more than two different topologies.

SECTION-B

Q2. Attempt any five questions.

5x6=30

- a. Define Firewalls. What are its types?
- b. Write down the different applications of Bluetooth.
- c. Explain various Switching Techniques.
- d. Write down the difference between LAN and WAN. Explain.
- e. What do you understand by Hub? Explain its types.
- f. Write down the difference between Encryption and Decryption.
- g. Define Various Network connecting devices.
- h. Explain the functions of Data Link Layer.

SECTION-C

Q3. Attempt any two questions.

2x15=30

- i. Explain OSI Reference model in Details?
- ii. What are the various Ethernet electrical specifications? Explain.
- iii. What do you understand by topology, explain its types and also discuss their advantages and disadvantages?