

S.B. Roll No.....

INSTALLATION MAINTENANCE AND TROUBLESHOOTING OF COMPUTER NETWORKS

6th Exam/Comp/IT/CSE/6218/Nov'18

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Fill in the blanks.

10x1.5=15

- a. PSTN stands for _____.
- b. ISDN stands for _____.
- c. IPv4 address consists of _____ bits.
- d. WAP stands for _____.
- e. A _____ is an integrated circuit card that enables a computer to display pictures on its monitor.
- f. The basis of _____ is to keep, preserve and protect.
- g. A _____ is a device that is used to test the strength and connectivity of a particular type of cable.
- h. The standard connector for unshielded twisted pair cabling is _____.
- i. A _____ allows you to connect your PC to a network.
- j. DHCP stands for _____.

SECTION-B

Q2. Attempt any five questions.

5x6=30

- i. Differentiate between hub and switch.
- ii. Write steps for the installation of MODEM.
- iii. Explain peer to peer network.
- iv. Define IPAM.
- v. What are the basic causes of LAN failure?
- vi. Differentiate between MTTR and MTBF.
- vii. Explain concept of ISDN.

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. Explain various tools used for troubleshooting?
- b. Briefly discuss the 2-tier and 3-tier architecture? What were the disadvantages of 2-tier architecture? How they were removed in 3-tier architecture?
- c. Explain different types of addressing?
- d. Write short notes on the following. **(any two)**
 - i. NIC
 - ii. VSAT
 - iii. DNS