

S.B. Roll No.....

**INSTALLATION MAINTENANCE & TROUBLESHOOTING OF COMPUTER NETWORKS**  
**6<sup>th</sup> /COMP/IT/CSc/6218/8162/9062/Nov'2016**

**Duration: 3 Hrs.**

**M. Marks: 75**

**SECTION – A**

**Q.1 Do as directed:**

**10x1.5=15**

- a. Hard disk is a \_\_\_\_\_ Device.
- b. Ping 127.0.0.1 is called as \_\_\_\_\_
- c. Modulation and Demodulation is done by \_\_\_\_\_
- d. An IP address consists of \_\_\_\_\_ bits.
- e. The full form of VPN is \_\_\_\_\_
- f. POST stands for \_\_\_\_\_
- g. The full form of PSTN is \_\_\_\_\_
- h. TCP stands for \_\_\_\_\_
- i. Half- splitting technique is used in installation (T/F).
- j. The primary goal of Preventive maintenance is to prevent the failure of equipment after it actually occurs. (T/F)

**SECTION-B**

**Q: 2 Attempt any six questions.**

**5x6=30**

- (a) Write the steps for installing a printer.
- (b) Explain MTTR and MTBF briefly.
- (c) Discuss Half Split Method of troubleshooting?
- (d) Explain Hub and its types in detail.
- (e) Explain the working of DNS.
- (f) Explain VSAT and ISDN technology in details?
- (g) What are different types of cables used in networking?
- (h) What are some causes of Network Failure?
- (i) Explain the role of Win proxy in network sharing.

**SECTION-C**

**Q: 3 Attempt any three questions.**

**3x10=30**

1. Explain the concept of Maintenance along with its different types?
2. Explain TCP/IP model in detail.
3. Discuss Client Server technology. What are advantages and disadvantages of Client Server technology?
4. Describe IP addresses and its various classes under address management.
5. Write short note on
  - a. Modem
  - b. Switch