

S.B. Roll No.....

**NETWORK SECURITY**  
**6<sup>th</sup>/CSc/IT/COMP/6210/Nov'15**

**Duration: 3 Hrs.**

**M. Marks=75**

**SECTION-A**

**Q1. A) Fill in the blanks:**

**1x10=10**

- I. VIRUS stands for \_\_\_\_\_
- II. SSH stands for \_\_\_\_\_
- III. DoS stands for \_\_\_\_\_
- IV. FTP stands for \_\_\_\_\_
- V. SPOF stands for \_\_\_\_\_
- VI. \_\_\_\_\_ firewall protect the whole network from unauthorized access.
- VII. A VPN tunnel is situated between \_\_\_\_\_ and \_\_\_\_\_.
- VIII. Computer Virus is a harmful \_\_\_\_\_ Program
- IX. Earthquake is an example of \_\_\_\_\_ disasters.
- X. The purpose of \_\_\_\_\_ virus is to replicate and take action when it is executed.

**B) State whether the following statements are true or false.**

**1x5=5**

- I. Phishing Attacks use Emails.
- II. RAID 0 is also known as stripe set.
- III. UPS stands for unbreakable power supply.
- IV. Network intrusion detection system is a type of IDS.
- V. Eavesdropping is also called sniffer attack.

**SECTION-B**

**Q2 Attempt any SIX questions.**

**5x6=30**

- I. Discuss Digital signatures & how it works.
- II. Difference between Symmetric and Asymmetric Key.
- III. Write a short note on Cyber Crime and Cyber Law.
- IV. Explain various types of Computer Attacks.
- V. What is Clustering? Explain its Types
- VI. Write a short note on SSL & SSH.
- VII. Write short note on worms and Trojans.
- VIII. Explain Network Based IDS in detail.

**SECTION-C**

**Q3 Attempt any THREE questions.**

**10x3=30**

- I. Explain DES algorithm in detail.
- II. Discuss the various types of Virus.
- III. Draw VPN diagram and also discuss the types of VPN.
- IV. Write steps of VIRUS protection.
- V. What are the types of Firewall & How does Firewall work.