**SECURITY MANAGER: SIMARPREET KAUR**

**What is security testing and validation?**

Security testing and validation are processes to identify potential weaknesses in a system to ensure that it is secure against threats.

**Security testing:**

1.**Vulnerability scanning**: There are two types of scans which are authenticated and non-authenticated scans.

Non authenticated do not require credentials and do not get trusted access to system they are scanning

Authenticated scan requires logging in with given set of credentials

2**.Penetration testing**: It helps to find and exploit vulnerabilities in PC.

3.**Code review**: This testing helps to examine another’s code to check error, bugs from particular system.

4.**Configuration testing**: It helps to reduce the risk of software failures and enhance overall software quality.

**Validation:** It ensures that security measures implemented are effective

1.Varification of security control: It ensure that security control is properly configured and operational.

2.Compliance check: It makes sure that the system has policies, standards and regulations.

3.Testing response: It verify that how system respond to the attacks.