

### Unit-3

#### Important Questions

1. Explain the methods of SQL injection.
2. Outline the countermeasures for SQL injection.
3. Discuss wireless communication methods and their vulnerabilities.
4. Differentiate between WEP and WPA
5. Outline countermeasures to avoid wireless network hacking, viruses and worms.
6. List the security breaches due to insufficient physical security and ways to improve them.
7. Explain how to compile a Linux kernel.
8. Demonstrate the use of a GCC command for compilation.
9. Explain how to install Linux kernel Modules (LKM)
10. Describe Linux hardening methods.
11. Outline the types of intrusion detection systems and evasion techniques.
12. Explain what a firewall is and the different types of firewalls.
13. Explain SQL injection vulnerabilities and the methods to protect it
14. Outline wireless network components and ways to secure it
15. Discuss wireless hacking techniques and tools.
16. Explain reasons that cause vulnerabilities in WEP
17. Discuss how viruses and worms impact web applications and networks.
18. Identify the main components involved in physical security.