

## Answer Key:

1. b) Integrity
2. b) Gathering target information
3. c) Providing proof of data origin
4. b) Passive footprinting involves indirect methods, while active involves direct interaction.
5. b) nslookup
6. b) Collecting information like emails and subdomains
7. c) Xmas Scan
8. c) Identifying known security weaknesses
9. d) Data Reconciliation
10. a) Using a backup power supply
11. b) By revealing the path packets take through the network
12. b) Obtaining domain registration details
13. b) Stealth Scan
14. c) Placing warning signs on server rooms
15. b) Caching mechanisms in DNS resolvers
16. b) Weaponization creates the attack payload, while Delivery transmits it to the target.
17. a) Vulnerability scanning identifies weaknesses, while penetration testing exploits them.
18. a) Sublist3r
19. b) By using multiple overlapping controls
20. b) Reconnaissance is passive, while scanning involves active interactions.