#1. What is the purpose of a Certificate Authority (CA) in the context of network security?
To issue and verify
To conduct DDoS attacks  □
To monitor network traffic
To develop software applications
To perform vulnerability scans
#2. What is a common technique used to protect against SQL injection attacks?
Input validation
Social engineering
Firewall configuration
Data encryption
Biometric authentication
#3. What is the main purpose of a Proxy Server in network security?
To act as an intermediary
To physically secure servers

To conduct DDoS attacks
To gather information
To bypass firewalls
#4. Which encryption protocol is commonly used to secure web traffic?
HTTPS
FTP
SMTP
Telnet
SNMP
#5. In ethical hacking, what is the purpose of a Man-in-the-Middle (MitM) attack?
To intercept and alter
To steal sensitive information
To exploit software vulnerabilities
To establish a secure connection
To gather information
#6. What is the main purpose of a Intrusion Detection System (IDS) in network

security?
To monitor network traffic
To host websites anonymously
To conduct DDoS attacks
To gather information
To bypass firewalls
#7. Which type of encryption uses a single key for both encryption and decryption?
Symmetric encryption
Asymmetric encryption
Public key encryption
Hashing
Digital signatures
#8. What is the main goal of a social engineering attack in ethical hacking?
To manipulate individuals
To steal sensitive information
To exploit software vulnerabilities

☐ To establish a secure connection ☐ To gather information #9. What is the purpose of a honeynet in network security?
To lure and monitor potential
To store sensitive data securely  □
To provide training for ethical $\Box$
To block network traffic □
To generate strong encryption keys
#10. What is the primary objective of a Red Team in ethical hacking?
To simulate real-world  □
To document system configurations  □
To develop new software applications  □
To perform penetration tests $\Box$
To create secure passwords
#11. What is the purpose of a firewall in network security?
To monitor and filter

To physically secure servers
To encrypt data in transit
To store sensitive information
To generate encryption keys
To generate encryption keys  #12. Which of the following is an example of social engineering attack?
#12. Which of the following is an example of social engineering attack?
Phishing
DDoS attack
SQL injection
Cross-site scripting
Firewall configuration
#13. What is the difference between a vulnerability and an exploit in ethical
hacking?
A vulnerability is a
An exploit is a type of
A vulnerability is an
An exploit is a security
A vulnorability loads to
A vulnerability leads to

#14. What is the purpose of a virtual private network (VPN) in ethical hacking?
To establish a secure
To host websites anonymously
To conduct DDoS attacks
To gather information
To bypass firewalls
#15. In ethical hacking, what is the term "payload" typically associated with?
Malicious code
Secure encryption
Network configuration
Server hardware
Data backup strategies
#16. What is the main goal of a DDoS (Distributed Denial of Service) attack?
To overwhelm a target
To steal sensitive information
To exploit software vulnerabilities

To establish a secure
To gather information
#17. What is a common method of protecting sensitive information during
transmission over a network?
Encryption
Cocial angine agring
Social engineering
SOL injection
SQL injection
Firewall configuration
Biometric authentication
#18. What does the term "phreaking" refer to in the context of hacking?
maining.
Manipulating and exploiting
Hacking telephone systems
Gaining unauthorized access
Exploiting software vulnerabilities
Cracking passwords
#19. What is the purpose of a DNS (Domain Name System) in network
communication?

Resolving human-readable
Encrypting data in transit
Blocking malicious websites
Conducting vulnerability scans
Storing sensitive information
#20. What is the primary goal of conducting a security assessment in ethical
hacking?
□ To evaluate the security
□ To launch cyberattacks
To identify vulnerabilities
To develop new software applications
To perform penetration tests
Finish
Results
resures

