

#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 an 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...

☐

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

☐

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

#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 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

☐

Social engineering

☐

SQL injection

☐

Firewall configuration

☐

Biometric authentication

#18. What does the term “phreaking” refer to in the context of hacking?

☐

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

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