Test Bank for Network Defense and Countermeasures 4th Easttom

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Network Defense and Countermeasures, 4e **(Easttom)**
Chapter 1 Introduction to Network Security

1) Which of the following is the unique address of the network interface card (NIC)?
A) IP address
B) NIC address
C) MAC address
D) URL address
Answer: C

2) Which of the following commands can you use to find your computer's IP address and network information about your system?
A) Ipconfig
B) Ping
C) Tracert
D) None of the above
Answer: A

3) Which of the following commands can be used to determine if a system is reachable and how long a packet takes to reach that system?
A) Ipconfig
B) Ping
C) Tracert
D) None of the above
Answer: B

4) Which of the following protocols operates at the transport layer of the OSI model?
A) FTP
B) TCP
C) DNS
D) IP
Answer: B

5) Which of the following layers of the OSI model is responsible for routing the information in the network?
A) Transport layer
B) Network layer
C) Session layer
D) Physical layer
Answer: B

6) The OSI model is divided into how many layers?
A) Four
B) Five
C) Six
D) Seven
Answer: D

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7) Most attacks can be classified as one of three broad classes. Which of the following is not one of these classes?
A) Viruses
B) Malware
C) Blocking
D) Intrusion
Answer: A

8) Denial of service (DoS) attacks fall under which of the following categories of attacks?
A) Viruses
B) Malware
C) Blocking
D) Intrusion
Answer: C

9) Which of the following is a small text file that web pages can place on your computer to keep track of your browsing activity?
A) Spyware
B) Cookie
C) Key logger
D) Trojan
Answer: B

10) In which of the following attacks does a hacker use a computer to call phone numbers in sequence until another computer answers?
A) War-driving
B) War-calling
C) War-dialing
D) War-flying
Answer: C

11) Which of the following types of hackers will report a vulnerability when they find it?
A) White hat
B) Gray hat
C) Green hat
D) Black hat
Answer: A

12) Which of the following types of hackers hacks into systems to cause harm or steal data?
A) White hat
B) Gray hat
C) Green hat
D) Black hat
Answer: D

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13) Which of the following is another term for a black hat hacker?
A) Cracker
B) White hat
C) Sneaker
D) Creeker
Answer: A

14) Which of the following is another term for ethical hacker?
A) Cracker
B) Black hat
C) Sneaker
D) Creeker
Answer: C

15) Which of the following can be used to protect the confidentiality of information?
A) Encryption
B) Auditing
C) Backups
D) Network server redundancy
Answer: A

16) Which of the following is used to ensure information integrity?
A) Auditing
B) Digital signatures
C) Backups
D) Passwords
Answer: B

17) Which of the following is *not* part of the CIA triangle?
A) Integrity
B) Confidentiality
C) Discretion
D) Availability
Answer: C

18) Which of the following statements about the layered security approach is true?
A) The perimeter is secured, but the systems within the perimeter are vulnerable.
B) The systems within the perimeter are secured, but the perimeter is vulnerable.
C) Both the perimeter and the individual systems within the perimeter are secured.
D) Both the perimeter and the individual systems within the perimeter are vulnerable.
Answer: C

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19) Which of the following requires government agencies to identify sensitive systems, conduct computer security training, and develop computer security plans?
A) Center for Information Technology
B) Computer Crimes Act of Oklahoma
C) Sarbanes-Oxley (SOX)
D) Computer Security Act of 1987
Answer: D

20) Which of the following security resources offers a repository for detailed information on virus outbreaks?
A) SANS Institute
B) F-Secure Corporation
C) CERT
D) Microsoft Security TechCenter
Answer: B

21) The term/concept URL is:
A) synonymous with URI
B) synonymous with URN
C) a scheme followed by authority, path, and possibly query and fragment
D) a subset of URI
Answer: D

22) Which statement about the IMAP protocol is true?
A) It is used for chat rooms.
B) It is a successor to POP3.
C) It is used by Microsoft Active Directory.
D) It is used to transfer files between computers.
Answer: B

23) Which of the following is NOT a TCP/IP model layer?
A) Application layer
B) Transport layer
C) Digital layer
D) Data-link layer
Answer: C

24) What is the name of the virus that caused 29% of malicious attacks on macOS devices in 2019?
A) Schlayer
B) Slayer
C) BadApple
D) Malicious 2.0
Answer: A

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