

Network Defense and Countermeasures 4th edition
Easttom Test Bank

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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

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

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

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) Schlauer
- B) Slayer
- C) BadApple
- D) Malicious 2.0

Answer: A