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GIAC Information Security Fundamentals

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Question: 1

John works as a professional Ethical Hacker. He is assigned a project to test the security of www.we-are-secure.com. He is working on the Linux operating system. He wants to sniff the weare-secure network and intercept a conversation between two employees of the company through session hijacking. Which of the following tools will John use to accomplish the task?

- A. Hunt
- B. IPChains
- C. Ethercap
- D. Tripwire

Answer: A

Question: 2

You are concerned about rootkits on your network communicating with attackers outside your network. Without using an IDS how can you detect this sort of activity?

- A. By examining your firewall logs.
- B. By examining your domain controller server logs.
- C. By setting up a DMZ.
- D. You cannot, you need an IDS.

Answer: A

Question: 3

TCP FIN scanning is a type of stealth scanning through which the attacker sends a FIN packet to the target port. If the port is closed, the victim assumes that this packet was sent mistakenly by the attacker and sends the RST packet to the attacker. If the port is open, the FIN packet will be ignored and the port will drop the packet. Which of the following operating systems can be easily identified with the help of TCP FIN scanning?

- A. Windows
- B. Red Hat
- C. Solaris
- D. Knoppix

Answer: A

Question: 4

Which of the following is a valid IP address for class B Networks?

- A. 172.157.88.3
- B. 80.33.5.7
- C. 212.136.45.8
- D. 225.128.98.7

Answer: A

Question: 5

Which of the following cryptographic algorithm uses public key and private key to encrypt or decrypt data?

- A. Symmetric
- B. Numeric
- C. Hashing
- D. Asymmetric

Answer: D

Question: 6

John works as a Network Administrator for Bordeaux Inc. He is planning to design a strategy, so that the employees can connect to a scheduling application. Which of the following strategies is best suited for the company?

(Click the Exhibit button on the toolbar to see the case study.)

- A. Deploy a VPN server on the VLAN network, and an IIS server on the corporate LAN at the headquarters.
- B. Deploy a VPN server on the VLAN network, and an IIS server on DMZ.
- C. Deploy a VPN server on the corporate LAN at the headquarters, and an IIS server on DMZ.
- D. Deploy a VPN server on DMZ, and an IIS server on the corporate LAN at the headquarters.

Answer: D

Question: 7

Victor wants to use Wireless Zero Configuration (WZC) to establish a wireless network connection using his computer running on Windows XP operating system. Which of the following are the most likely threats to his computer?

Each correct answer represents a complete solution. Choose two.

- A. Attacker can use the Ping Flood DoS attack if WZC is used.
- B. Attacker by creating a fake wireless network with high power antenna cause Victor's computer to associate with his network to gain access.
- C. Information of probing for networks can be viewed using a wireless analyzer and may be used to gain access.
- D. It will not allow the configuration of encryption and MAC filtering. Sending information is not secure on wireless network.

Answer: B,C

Question: 8

In which type of access control do user ID and password system come under?

- A. Physical
- B. Power
- C. Technical
- D. Administrative

Answer: C

Question: 9

Which of the following statements are TRUE regarding asymmetric encryption and symmetric encryption? Each correct answer represents a complete solution. Choose all that apply.

- A. Data Encryption Standard (DES) is a symmetric encryption key algorithm.
- B. In symmetric encryption, the secret key is available only to the recipient of the message.
- C. Symmetric encryption is commonly used when a message sender needs to encrypt a large amount of data.
- D. Asymmetric encryption uses a public key and a private key pair for data encryption.

Answer: A,C,D

Question: 10

Which of the following statements about testing are true?
Each correct answer represents a complete solution. Choose all that apply.

- A. A stub is a program that simulates a calling unit, and a driver is a program that simulates a called unit.
- B. In unit testing, each independent unit of an application is tested separately.
- C. In integration testing, a developer combines two units that have already been tested into a component.
- D. The bottom-up approach to integration testing helps minimize the need for stubs.

Answer: B,C,D

Question: 11

Tom works as the project manager for BlueWell Inc. He is working with his project to ensure timely and appropriate generation, retrieval, distribution, collection, storage, and ultimate disposition of project information. What is the process in which Tom is working?

- A. Stakeholder expectation management
- B. Stakeholder analysis
- C. Work performance measurement
- D. Project communication management

Answer: D

Question: 12

You switch on your mobile Bluetooth device to transfer data to another Bluetooth device. Which of the following Information assurance pillars ensures that the data transfer is being performed with the targeted authorized Bluetooth device and not with any other or unauthorized device?

- A. Data integrity
- B. Confidentiality
- C. Authentication
- D. Non-repudiation

Answer: C

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