

1. Which of the following layers of the OSI model corresponds to the Host-to-Host layer of the TCP/IP model?

- A. The transport layer
- B. The presentation layer
- C. The session layer
- D. The application layer

Answer: A

2. You are the Network Administrator for a college. You watch a large number of people (some not even students) going in and out of areas with campus computers (libraries, computer labs, etc.). You have had a problem with laptops being stolen. What is the most cost effective method to prevent this?

- A. Smart card access to all areas with computers.
- B. Use laptop locks.
- C. Video surveillance on all areas with computers.
- D. Appoint a security guard.

Answer: B

3. The ATM of a bank is robbed by breaking the ATM machine. Which of the following physical security devices can now be used for verification and historical analysis of the ATM robbery?

- A. Key card
- B. Biometric devices
- C. Intrusion detection systems
- D. CCTV Cameras

Answer: D

4. You have been assigned the task of selecting a hash algorithm. The algorithm will be specifically used to ensure the integrity of certain sensitive files. It must use a 128 bit hash value. Which of the following should you use?

- A. AES
- B. SHA
- C. MD5
- D. DES

Answer: C

5. Which of the following are the countermeasures against a man-in-the-middle attack? Each correct answer represents a complete solution. Choose all that apply.

- A. Using public key infrastructure authentication.
- B. Using basic authentication.
- C. Using Secret keys for authentication.
- D. Using Off-channel verification.

Answer: A,C,D

6. Which of the following is an electrical event shows that there is enough power on the grid to prevent from a total power loss but there is no enough power to meet the current electrical demand?

- A. Power Surge
- B. Power Spike
- C. Blackout
- D. Brownout

Answer: D

7. Which of the following protocols is designed to efficiently handle high-speed data over wide area networks (WANs)?

- A. PPP
- B. X.25
- C. Frame relay
- D. SLIP

Answer: C

8. Which of the following statements best describes a certification authority?

- A. a technique to authenticate digital documents by using computers
- B. a type of encryption that uses a public key and a private key pair for
- C. an entity that issues digital certificates for use by other parties
- D. a type of encryption that uses a single key to encrypt and decrypt

Answer: C

9. In which of the following alternative processing sites is the backup facility maintained in a constant order, with a full complement of servers, workstations, and communication links ready to assume the primary operations responsibility?

- A. Hot Site
- B. Mobile Site
- C. Warm Site
- D. Cold Site

Answer: A

10. Which of the following should the administrator ensure during the test of a disaster recovery plan?

- A. Ensure that the plan works properly
- B. Ensure that all the servers in the organization are shut down.
- C. Ensure that each member of the disaster recovery team is aware of their responsibility.
- D. Ensure that all client computers in the organization are shut down.

Answer: A,C