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

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.

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

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

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.
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

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

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

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

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.