MIS5214 **Your Name _____**
Week 11 **Date _____**

1. Which of the following keys are included in a certificate revocation list (CRL) of a public key infrastructure (PKI)? Each correct answer represents a complete solution. Choose two.

A. A foreign key
B. A private key
C. A public key
D. A primary key

2. Which of the following SDLC phases consists of the given security controls: Misuse Case Modeling Security Design and Architecture Review Threat and Risk Modeling Security Requirements and Test Cases Generation

A. Design
B. Maintenance
C. Deployment
D. Requirements Gathering

3. A company named Money Builders Inc., hires you to provide consultancy for setting up their Windows network. The company's server room will be in a highly secured environment. You are required to suggest an authentication method for it. The CFO of the company wants the server to use thumb impressions for authentication. Which of the following authentication methods will you suggest?

A. Certificate
B. Smart card
C. Two-factor
D. Biometrics

4. You are the Security Consultant and have been contacted by a client regarding their encryption and hashing algorithms. Their in-house network administrator tells you that their current hashing algorithm is an older one with known weaknesses and is not collision resistant. Which algorithm are they most likely using for hashing?

A. PKI
B. SHA
C. Kerberos
D. MD5

5. You work as a Network Administrator for Net Perfect Inc. The company has a Linux-based network. You need to configure a firewall for the company. The firewall should be able to keep track of the state of network connections traveling across the network. Which of the following types of firewalls will you configure to accomplish the task?

A. Stateful firewall
B. Host-based application firewall
C. A network-based application layer firewall
D. An application firewall

6. Shoulder surfing is a type of in-person attack in which the attacker gathers information about the premises of an organization. This attack is often performed by looking surreptitiously at the keyboard of an employee's computer while he is typing in his password at any access point such as a terminal/Web site. Which of the following is violated in a shoulder surfing attack?

A. Integrity
B. Availability
C. Authenticity
D. Confidentiality

7. Which of the following plans is designed to protect critical business processes from natural or man-made failures or disasters and the resultant loss of capital due to the unavailability of normal business processes?

A. Disaster recovery plan
B. Contingency plan
C. Business continuity plan
D. Crisis communication plan

8. Which of the following processes is used by remote users to make a secure connection to internal resources after establishing an Internet connection?

A. Spoofing
B. Packet sniffing
C. Tunneling
D. Packet filtering

9. Which of the following protects against unauthorized access to confidential information via encryption and works at the network layer?

A. Firewall
B. NAT
C. MAC address
D. IPSec

10. Which of the following statements are true about Public-key cryptography? Each correct answer represents a complete solution. Choose two.

A. Data encrypted with the secret key can only be decrypted by another secret key.
B. The secret key can encrypt a message, and anyone with the public key can decrypt it.
C. The distinguishing technique used in public key-private key cryptography is the use of symmetric key algorithms.
D. Data encrypted by the public key can only be decrypted by the secret key.