**Quiz 1:**

1. **Which one is not a layer of security?**  
   A. Physical security  
   B. Logical security  
   C. Network security  
   D. Information security
2. **In C.I.A. security triangle model, what does "A" stand for?**  
   A. Acceptability  
   B. Availability  
   C. Authenticity  
   D. Accuracy  
   *(The correct answer: Availability)*
3. **Which one is NOT a key access control mechanism?**  
   A. Identification  
   B. Authentication  
   C. Authorization  
   D. Accessibility  
   *(The correct answer: Accessibility)*
4. **Which component of the AAA includes ensuring that someone is who they claim to be?**  
   A. Accounting  
   B. Authentication  
   C. Assessment  
   D. Authorization  
   *(The correct answer: Authentication)*
5. **Nolan is writing an after-action report on a security breach that took place in his organization. The attackers stole thousands of customer records from the organization’s database. What cybersecurity principle was most impacted in this breach?**  
   A. Availability  
   B. Nonrepudiation  
   C. Confidentiality  
   D. Integrity  
   *(The correct answer: Confidentiality)*

**Quiz 2:**

1. **Which one is NOT a key element of any cryptosystem that uses encryption and decryption?**  
   A. Algorithm  
   B. Key(s)  
   C. Ciphertext  
   D. Procedures
2. **A digital \_\_\_\_\_\_ is an electronic document or container file that contains a key value and identifying information about the entity that controls the key.**  
   A. Certificate  
   B. Signature  
   C. File  
   D. Authentication  
   *(The correct answer: Certificate)*
3. **Hashing functions require the use of keys.**  
   A. True  
   B. False  
   *(The correct answer: False)*
4. **John would like to send Mike a message using an asymmetric encryption algorithm. What key should he use to encrypt the message?**  
   A. John’s public key  
   B. John’s private key  
   C. Mike’s public key  
   D. Mike’s private key  
   *(The correct answer: John’s public key)*
5. **Mike is sending John an encrypted message using a symmetric encryption algorithm. What key should he use to encrypt the message?**  
   A. John’s public key  
   B. John’s private key  
   C. Mike’s public key  
   D. Shared secret key  
   *(The correct answer: Shared secret key)*

**Quiz 3:**

1. **One vulnerability that makes computers susceptible to malware is**  
   A. Using anti-malware software  
   B. Using password protection  
   C. Using old versions of software  
   D. Using encryption on sensitive files  
   *(The correct answer: Using old versions of software)*
2. **Which type of malware gives attackers remote access to a device or system and usually goes undetected?**  
   A. Remote Controlled Virus (RCV)  
   B. Remote Administrative Tools (RAT)  
   C. Remote Accessible Worm (RAW)  
   D. Remote Access Trojan (RAT)  
   *(The correct answer: Remote Access Trojan (RAT))*
3. **The type of phishing that targets a specific group of people is called**  
   A. Spear Phishing  
   B. Target Phishing  
   C. Group Phishing  
   D. Focused Phishing  
   *(The correct answer: Spear Phishing)*
4. **What type of malware delivers its payload only after certain conditions are met, such as a specific date and time occurring?**  
   A. Worm  
   B. Trojan horse  
   C. Ransomware  
   D. Logic bomb  
   *(The correct answer: Logic bomb)*
5. **Phishing, Vishing, Spear Phishing, and Whaling are all types of**  
   A. Fishing techniques  
   B. Targeting techniques  
   C. Social engineering techniques  
   D. Computer attack techniques  
   *(The correct answer: Social engineering techniques)*

**Question 1:** **Which of the following is the most secure firewall architecture?**  
A. Screened subnet firewall  
B. Dual-homed bastion host  
C. Screened host with network translator  
D. Packet filtering firewalls

**Question 2:** **What technology provides the translation that assigns public IP addresses to privately addressed systems that wish to communicate on the Internet?**  
A. NAT  
B. HTTP  
C. SSL  
D. TLS

**Question 3:** **Which cloud delivery model could be considered a pool of services and resources delivered across the Internet by a cloud provider?**  
A. Private  
B. Public  
C. Community  
D. Hybrid

**Question 4:** **What type of cloud scaling adds more servers to the pool to meet increased demand?**  
A. Diagonal scaling  
B. Automatic scaling  
C. Vertical scaling  
D. Horizontal scaling

**Question 5:** **\_\_\_\_\_\_ refers to the uncontrolled creation of VMs without management guidelines. This typically occurs when users or administrators create VMs without proper oversight.**  
A. VM Sprawl  
B. VM Escape  
C. VM Complexity  
D. VM Zero-Trust

**Question 1:** **Which cloud service model gives the consumer the ability to use applications provided by the cloud provider over the Internet?**  
A. SaaS  
B. PaaS  
C. IaaS  
D. CaaS

**Question 2:** **Which of the following is not a detection method of IDPS?**  
A. Signature-based IDPS  
B. Anomaly-based IDPS  
C. Network-based IDPS  
D. Log file monitors (LFM)

**Question 3:** **When your servers become too busy, you can offload traffic to resources from a cloud provider. This is known as which of the following?**  
A. Latency  
B. Cloud bursting  
C. Multitenancy  
D. Peaking

**Question 5:** **Which one is not a VPN protocol?**  
A. PPTP  
B. IPSec  
C. L2TP  
D. RADIUS

**Question 4:** **Which of the following is not a layer of TCP/IP protocols?**  
A. Application  
B. Session  
C. Internet  
D. Network Access