

Question 1

What is the purpose of security controls? 1 / 1 point

Reduce specific security risks

Encrypt information for privacy

Create policies and procedures

Establish incident response systems

Correct

Question 2

A paid subscriber of a news website has access to exclusive content. As a data owner, what should the subscriber be authorized to do with their account? Select three answers. 1 / 1 point

Edit articles on the website

Stop their subscription

Correct

Update their payment details

Correct

Review their username and password

Correct

Question 3

What do symmetric encryption algorithms use to encrypt and decrypt information? 1 / 1 point

A hash value

A public and private key pair

A single secret key

A digital certificate

Correct

Question 4

Why are hash algorithms that generate long hash values more secure than those that produce short hash values? 1 / 1 point

They are easier to decrypt

They are more difficult to brute force

They are easier to exchange over a network

They are more difficult to remember

Correct

Question 5

Which security controls are used in public key infrastructure (PKI)? Select three answers. 1 / 1 point

Digital certificates

Correct

Multi-factor authentication

Symmetric encryption

Correct

Asymmetric encryption

Correct

Question 6

What factors do authentication systems use to verify a user's identity? Select three answers. 1 / 1 point

Knowledge

Correct

Accounting

Ownership

Correct

Characteristic

Correct

Question 7

What is a disadvantage of using single sign-on (SSO) technology for user authentication? 1 / 1 point

Stolen credentials can give attackers access to multiple resources.

Customers receive an improved user experience.

Username and password management is streamlined.

Employees are more vulnerable to attack.

Correct

Question 8

A business has one person who receives money from customers at the register. At the end of the day, another person counts that money that was received against the items sold and deposits it. Which security principles are being implemented into business operations? Select two answers. 1 / 1 point

Multi-factor authentication

Single sign-on

Least privilege

Correct

Separation of duties

Correct

Question 9

What are common authorization tools that are designed with the principle of least privilege and separation of duties in mind? Select three answers. 1 / 1 point

Basic auth

Correct

SHA256

API Tokens

Correct

OAuth

Correct

Question 10

Your security team receives an alert from the organization's login server regarding multiple failed login attempts. The alert indicated that there were 10 failed login attempts to the company's customer database in the past hour. What is the first thing you should do to investigate this incident? 1 / 1 point

Disable the customer database server.

Perform accounting on the access logs of the system.

Ignore the alert until you receive more user complaints.

Return the server's operating system to a previous version.

Correct