

QUESTION 10

1 points

Save Answer

Fail-safe default is one of the fundamental security principles, it means

- ☐ A. The design of security measures embodied in both hardware and software should be safe and does not fail if possible
- ☒ B. Access decisions should be based on exclusion rather than permission.
- ☐ C. Access decisions should be based on permission rather than exclusion.
- ☐ D. The design of a security mechanism should never fail and a safety measure should be taken.

QUESTION 1

1 points

Save Answer

"Alice scanned Bobs' documents. Is a violation of

- ☐ Integrity
- ☐ Assurance
- ☐ Availability
- ☒ Confidentiality

QUESTION 2

1 points

Save Answer

Alice forged Bob's signature and signed a document without his knowledge

- ☐ A. It is a valid action and not a violation.
- ☐ B. Availability
- ☒ C. Integrity
- ☐ D. Confidentiality

QUESTION 3

1 points

Save Answer

The security requirements or CIA triad consist of the following

- ☐ A. Confidentiality, Integrity, and Assurance
- ☐ B. Cryptography, Integrity, and Access control
- ☒ C. Confidentiality, Integrity, and Availability
- ☐ D. Cryptography, Integrity, and Availability

QUESTION 7

1 points

Save Answer

Alice changed a transaction from "Transfer \$100 from Alice to Bob" to "Transfer \$500 from Alice to Bob" is a violation of

- ☐ A. Integrity
- ☐ B. Availability
- ☒ C. It is a valid change not a violation
- ☐ D. Confidentiality

QUESTION 8

1 points

Save Answer

Psychological Acceptability is one of the fundamental security principles, it means

- ☐ A. A psychiatrist should check the users and proof of a good mental health status should be provided before using the system.
- ☒ B. the security mechanisms should not interfere unduly with the work of users, while at the same time meeting the needs of those who authorize access.
- ☐ C. A psychiatrist should check the development team mental health periodically
- ☐ D. None of the mentioned options

QUESTION 9

1 points

Save Answer

Open Design is one of the fundamental security principles, it means

- ☒ A. The design of a security mechanism should be open rather than secret.
- ☐ B. None of the mentioned options
- ☐ C. The design should follow object oriented concepts.
- ☐ D. The design of a security mechanism should **Not** be open but rather closed.

QUESTION 4

1 points Save Answer

Vulnerability is

- ☐ A. A set of rules and practices that specify or regulate how a system or organization provides security services to protect sensitive and critical system resources.
- ☐ B. An entity that attacks or is a threat to, a system.
- ☒ C. An action, device, procedure, or technique that reduces a threat, vulnerability, or attack.
- ☐ D. A flaw or weakness in system design, implementation, or operation and management

QUESTION 5

1 points Save Answer

Alice spilled water on the server, the server does not work anymore, is a violation of

- ☐ A. Assurance
- ☐ B. Confidentiality
- ☒ C. Availability
- ☐ D. Integrity

QUESTION 6

1 points Save Answer

Alice changed a transaction from "Transfer \$100 from Bob to Alice" to "Transfer \$500 from Bob to Alice" is a violation of

- ☒ A. Accountability
- ☐ B. Integrity
- ☐ C. Confidentiality
- ☐ D. Availability