

QUIZ 1 (SET B)

SOLUTION

Name:

Student ID:

Batch:

1. Which of the following best describes "information"?

- a. A discipline developed by Claude Shannon in the 1940's
- b. Documents such as books, the content on the World Wide Web (WWW) etc
- ☒ c. A sequence of symbols that convey some meaning in a given context
- d. Data, such as census, medical or readings from sensors etc
- e. A computing-based discipline involving technology, people, information, and processes

2. A message has integrity if:

- a. It contains the truth
- ☒ b. It is verifiably unaltered
- c. It contains the sender handwritten signature
- d. It is authenticated

3. Which of these is not a part of Information Security LifeCycle?

- a. Security retirement of the information
- b. Security management and monitoring
- c. Security requirements engineering
- d. Security design
- ☒ e. Security Countermeasures

4. Which of the following best describe Information Assurance? (Multiple Answers Possible)

- ☒ a. Includes security, people and processing
- ☒ b. Multi-disciplinary
- ☒ c. Seeks cost efficient solutions to mitigate risks

5. Which of the following attacks is not typically countered through the use of cryptography?

- a. Unauthorized falsification of source of data
- b. Unauthorized modification of data
- ☒ c. Unauthorized prevention of access to data

6. Which of the following should always be kept secret?

- a. The encryption/decryption algorithm
- b. The encryption key
- ☒ c. The decryption key

7. Data origin authentication can be provided by which of the following tool(s) of cryptography toolkit? (Multiple Answers Possible)

- a. Encryption
- b. Hash Functions
- ☒ c. Digital Signatures
- ☒ d. Message Authentication Codes

8. Data origin authentication is a stronger notion than Non-repudiation of a source

- a. True
- ☒ b. False
- c. Can't Say

9. What are the security goals that are covered in IAS Octave?

- 1. Confidentiality
- 2. Integrity
- 3. Availability
- 4. Accountability

- 5. Authenticity & Trustworthy
- 6. Auditability
- 7. Non-Repudiation
- 8. Privacy