

Name:

Student ID:

Batch:

QUIZ 1(SET A)

SOLUTION

1. Which of the answers best describes the discipline of information/cyber security?
 - a. An interdisciplinary course comprising elements of law, policy, human factors, ethics, and risk management
 - b. A discipline that focuses on the creation, operation, analysis, and testing of secure computer systems.
 - c. A computing-based discipline involving technology, people, information, and processes.
 - ☒ d. All of the above.

2. Which of the answers best describes the discipline of information/cyber security?
 - ☒ a. Message Confidentiality
 - b. Message Integrity
 - c. Message Non-repudiation
 - d. Message Availability

3. A third party (eg. spy) is not able to read the message when:
 - a. The message is sent with integrity
 - b. The message is sent using a nonrepudiation technique
 - ☒ c. The message is using a cryptographic protocol to implement confidentiality
 - d. The message has high availability

4. Which of these is not a dimension in the RMIAS?
 - a. Security Countermeasures
 - ☒ b. Information Assurance
 - c. Information Taxonomy
 - d. Security Goals

5. Management tries to ensure adherence to security policies by which of the following? (Multiple answers possible)

- ☐ (a) Creating training courses to ensure employees are aware.
- ☐ (b) Testing employees.
- ☒ (c) Periodically asking employees to confirm their compliance with the policies.

6. The main purpose of cryptography is to:

- a. Translate each physical security mechanism into an equivalent digital security mechanism
- ☒ (b) Provide a range of security mechanisms which can be used to support security in the digital world
- c. Achieve complete security in the digital world

7. Non-repudiation 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. Non-repudiation of a source is a stronger notion than Data integrity

- ☒ (a) True
- b. False
- c. Can't Say

9. What are the security goals that are covered in CIA Triad Model

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