Correct Answer: C

QUESTION 207

Which access control would a lattice-based access control be an example of?

- A. Mandatory access control
- B. Discretionary access control
- C. Non-discretionary access control
- D. Rule-based access control

Correct Answer: A

QUESTION 208

Who developed one of the first mathematical models of a multilevel-security computer system?

- A. Diffie Hillman
- B. Clark and Wilson
- C. Bell and LaPadula
- D. Gasser and Lipner

Correct Answer: C

QUESTION 209

Which of the following was the first mathematical model of multilevel security policy?

- A. Biba
- B. Take-Grant
- C. Bell-La Padula
- D. Clark Wilson

Correct Answer: C

QUESTION 210

Which security model allows the data custodian to grant access privileges to other users?

- A. Mandatory
- B. Bell-LaPadula
- C. Discretionary
- D. Clark-Wilson

Correct Answer: C

QUESTION 211

What is one issue NOT addressed by the Bell-LaPadula model?

- A. Information flow control
- B. Security levels
- C. Covert channels
- D. Access modes

Correct Answer: C

QUESTION 212

Which one of the following access control models associates every resource and every user of a resource with one of an ordered set of classes?

- A. Take-Grant model
- B. Biba model
- C. Lattice model
- D. Clark-Wilson model

Correct Answer: C

QUESTION 213

What scheme includes the requirement that the system maintain the separation of duty requirement expressed in the access control triples?

- A. Bella
- B. Lattice
- C. Clark-Wilson
- D. Bell-LaPadula

Correct Answer: C

QUESTION 214

The access matrix model consists of which of the following parts? (Choose all that apply)

- A. A function that returns an objects type.
- B. A function that returns a subjects type.
- C. A list of subjects.

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D. A list of objects.

Correct Answer: ACD

QUESTION 215

The access matrix model has which of the following common implementations?

- A. Access control lists and capabilities.
- B. Access control lists.
- C. Capabilities.
- D. Access control list and availability.

Correct Answer: A

QUESTION 216

The lattice-based model aims at protecting against:

- A. Illegal attributes.
- B. None of the choices.
- C. Illegal information flow among the entities.
- D. Illegal access rights

Correct Answer: C

QUESTION 217

Which of the following are the components of the Chinese wall model?

- A. Conflict of interest.
- B. All of the choices.
- C. Subject
- D. Company Datasets.

Correct Answer: B

QUESTION 218

Enforcing minimum privileges for general system users can be easily achieved through the use of:

- A. TSTEC
- B. RBAC
- C. TBAC

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D. IPSEC

Correct Answer: B

QUESTION 219

What is necessary for a subject to have write access to an object in a Multi-Level Security Policy?

- A. The subject's sensitivity label must dominate the object's sensitivity label.
- B. The subject's sensitivity label subordinates the object's sensitivity label.
- C. The subject's sensitivity label is subordinated by the object's sensitivity label.
- D. The subject's sensitivity label is dominated by the object's sensitivity label.

Correct Answer: A

QUESTION 220

Which of the following security modes of operation involved the highest risk?

- A. Compartmented Security Mode
- B. Multilevel Security Mode
- C. System-High Security Mode
- D. Dedicated Security Mode

Correct Answer: B

QUESTION 221

Controlled Security Mode is also known as:

- A. Multilevel Security Mode
- B. Partitioned Security Mode
- C. Dedicated Security Mode
- D. System-high Security Mode

Correct Answer: A

QUESTION 222

The unauthorized mixing of data of one sensitivity level and need-to-know with data of a lower sensitivity level, or different need-to-know, is called data

- A. Contamination
- B. Seepage

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- C. Aggregation
- D. Commingling

Correct Answer: A

QUESTION 223

Which one of the following should be employed to protect data against undetected corruption?

- A. Non-repudiation
- B. Encryption
- C. Authentication
- D. Integrity

Correct Answer: D

QUESTION 224

Which of the following is a communication path that is not protected by the system's normal security mechanisms?

- A. A trusted path
- B. A protection domain
- C. A covert channel
- D. A maintenance hook

Correct Answer: C

QUESTION 225

A channel within a computer system or network that is designed for the authorized transfer of information is identified as a(n)?

- A. Covert channel
- B. Overt channel
- C. Opened channel
- D. Closed channel

Correct Answer: B