

Cybersecurity Fundamentals CSX-F

Total Question: 78

51. Three common controls used to protect the availability of information are:

- A. . Redundancy, backups and access controls
- B. Encryption, file permissions and access controls
- C. Access controls, logging and digital signatures
- D. Hashes, logging and backups

➤ Answer: A

52. Select all that apply. Governance has several goals, including:

- A. Providing strategic direction
- B. Ensuring that objectives are achieved
- C. Verifying that organizational resources are being used appropriately
- D. Directing and monitoring security activities
- E. Ascertaining whether risk is being managed properly

➤ Answer: A, B, C, E

53. Choose three. According to the NIST cybersecurity framework, which of the following are considered key functions necessary for the protection of digital assets?

- A. Encrypt
- B. Protect
- C. Investigate
- D. Recover
- E. Identify

➤ Answer: B, D, E

54. Which of the following is the best definition for cybersecurity?

- A. The process by which an organization manages cybersecurity risk to an acceptable level
- B. The protection of information from unauthorized access or disclosure
- C. The protection of paper documents, digital and intellectual property, and verbal or visual communications
- D. Protecting information assets by addressing threats to information that is processed, stored or transported by internetworked information systems

➤ Answer::D

55. Which of the following cybersecurity roles is charged with the duty of managing incidents and remediation?

- A. Board of directors
- B. Executive committee
- C. Cybersecurity management
- D. Cybersecurity practitioners

56. Select all that apply. The internet perimeter should:

Discuss

- A. Detect and block traffic from infected internal end points
- B. Eliminate threats such as email spam, viruses and worms
- C. Format, encrypt and compress data
- D. Control user traffic bound toward the internet
- E. Monitor internal and external network ports for rogue activity

➤ Answer: A, B, D, E

57. The _____ layer of the OSI model ensures that data are transferred reliably in the correct sequence, and the _____ layer coordinates and manages user connections.

- A. Presentation, data link
- B. Transport, session
- C. Physical, application
- D. Data link, network

➤ Answer: B

58. Choose three. There key benefits of the DMZ system are:

Discuss

- A. DMZs are based on logical rather than physical connections
- B. An intruder must penetrate three separate devices
- C. Private network addresses are not disclosed to the internet
- D. Excellent performance and scalability as internet usage grows
- E. Internal systems do not have direct access to internet

➤ Answer: A,B,E

59. Which of the following best states the role of encryption within an overall cybersecurity program?

- A. Encryption is the primary means of securing digital assets
- B. Encryption depends upon shared secrets and is therefore an unreliable means of control
- C. A programs encryption elements should be handled by a third party cryptologist
- D. Encryption is an essential but incomplete form of access control

➤ Answer: D

60. The number and types of layers needed for defense in depth are a function

Of:Discuss