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:

o A. Providing strategic direction
o B. Ensuring that objectives are achieved
o C. Verifying that organizational resources are being used apropriately
o D. Directing and monitoring security activities
o 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?

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

➢ Answer: B, D, E

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

o A. The process by which an organization manages cybersecurity risk to an acceptable level
o B. The protection of information from unauthorized acces or disclosure
o C. The protection of paper documents, digital and intellectual property, and verbal or visual communications
o 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?

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

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

Discuss

- o   A. Detect and block traffic from infected internal end points
- o   B. Eliminate threats such as email spam, viruses and worms
- o   C. Format, encrypt and compress data
- o   D. Control user traffic bound toward the internet
- o   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.

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

➢   Answer: B

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

Discuss

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

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