ISC.Premium.CISSP-ISSAP.by.VCEplus.100q - DEMO

Number: CISSP-ISSAP VCEplus
Passing Score: 800
Time Limit: 120 min

Exam Code: CISSP-ISSAP
Exam Name: Information Systems Security Architecture Professional
Certification Provider: ISC
Corresponding Certifications: CISSP Concentrations, CISSP-ISSAP: MCSA, MCSA: Windows Server 2012, MCSE, MCSE: Communication, MCSE: Messaging, MCSE: Private Cloud, MCSE: Server Infrastructure, MCSE: SharePoint
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Sections

1. Volume A
2. Volume B

Exam A

QUESTION 1
Which of the following elements of planning gap measures the gap between the total potential for the market and the actual current usage by all the consumers in the market?

A. Project gap
B. Product gap
C. Competitive gap
D. Usage gap

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 2
Which of the following terms refers to the method that allows or restricts specific types of packets from crossing over the firewall?

A. Hacking
B. Packet filtering
C. Web caching
D. Spoofing

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 3
You work as a Network Administrator for NetTech Inc. The company wants to encrypt its e-mails. Which of the following will you use to accomplish this?

A. PGP
B. PPTP

C. IPSec

D. NTFS

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 4
Peter works as a Network Administrator for Net World Inc. The company wants to allow remote users to connect and access its private network through a dial-up connection via the Internet. All the data will be sent across a public network. For security reasons, the management wants the data sent through the Internet to be encrypted. The company plans to use a Layer 2 Tunneling Protocol (L2TP) connection. Which communication protocol will Peter use to accomplish the task?

A. IP Security (IPSec)

B. Microsoft Point-to-Point Encryption (MPPE)

C. Pretty Good Privacy (PGP)

D. Data Encryption Standard (DES)

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 5
Which of the following protocols multicasts messages and information among all member devices in an IP multicast group?

A. ARP

B. ICMP

C. TCP

D. IGMP

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 6
Which of the following security devices is presented to indicate some feat of service, a special accomplishment, a symbol of authority granted by taking an oath, a sign of legitimate employment or student status, or as a simple means of identification?

A. Sensor
B. Alarm
C. Motion detector
D. Badge

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 7
Which of the following is a method for transforming a message into a masked form, together with a way of undoing the transformation to recover the message?

A. Cipher
B. CrypTool
C. Steganography
D. MIME

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 8
Mark works as a Network Administrator for NetTech Inc. He wants users to access only those resources that are required for them. Which of the following access control models will he use?

A. Policy Access Control
B. Mandatory Access Control
C. Discretionary Access Control
D. Role-Based Access Control

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 9
Which of the following is used to authenticate asymmetric keys?

A. Digital signature
B. MAC Address
C. Demilitarized zone (DMZ)
D. Password

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 10
IPsec VPN provides a high degree of data privacy by establishing trust points between communicating devices and data encryption. Which of the following encryption methods does IPsec VPN use? Each correct answer represents a complete solution. Choose two.

A. MD5
B. LEAP
C. AES
D. 3DES

Correct Answer: DC
Section: Volume A

Explanation

Explanation/Reference:
Section: Volume A

QUESTION 11
A user is sending a large number of protocol packets to a network in order to saturate its resources and to disrupt connections to prevent communications between services. Which type of attack is this?

A. Denial-of-Service attack
B. Vulnerability attack
C. Social Engineering attack
D. Impersonation attack

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 12
Which of the following types of firewall functions at the Session layer of OSI model?

A. Circuit-level firewall
B. Application-level firewall
C. Packet filtering firewall
D. Switch-level firewall

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 13
Which of the following statements about a stream cipher are true? Each correct answer represents a complete solution. Choose three.

A. It typically executes at a higher speed than a block cipher.
B. It divides a message into blocks for processing.
C. It typically executes at a slower speed than a block cipher.
D. It divides a message into bits for processing.
E. It is a symmetric key cipher.

Correct Answer: ADE
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 14
Which of the following types of attack can be used to break the best physical and logical security mechanism to gain access to a system?

A. Social engineering attack
B. Cross site scripting attack
C. Mail bombing
D. Password guessing attack

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 15
You are the Security Consultant advising a company on security methods. This is a highly secure location that deals with sensitive national defense related data. They are very concerned about physical security as they had a breach last month. In that breach an individual had simply grabbed a laptop and ran out of the building. Which one of the following would have been most effective in preventing this?

A. Not using laptops.
B. Keeping all doors locked with a guard.
C. Using a man-trap.
D. A sign in log.

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 16
You want to implement a network topology that provides the best balance for regional topologies in terms of the number of virtual circuits, redundancy, and performance while establishing a WAN network. Which of the following network topologies will you use to accomplish the task?

A. Bus topology
B. Fully meshed topology
C. Star topology
D. Partially meshed topology

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 17
Which of the following protocols is an alternative to certificate revocation lists (CRL) and allows the authenticity of a certificate to be immediately verified?

A. RSTP
B. SKIP
C. OCSP
D. HTTP

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 18

Which of the following does PEAP use to authenticate the user inside an encrypted tunnel? Each correct answer represents a complete solution. Choose two.

A. GTC
B. MS-CHAP v2
C. AES
D. RC4

Correct Answer: BA
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 19
Which of the following terms refers to a mechanism which proves that the sender really sent a particular message?

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

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 20
Adam works as a Security Analyst for Umbrella Inc. CEO of the company ordered him to implement two-factor authentication for the employees to access their networks. He has told him that he would like to use some type of hardware device in tandem with a security or identifying pin number. Adam decides to implement smart cards but they are not cost effective. Which of the following types of hardware devices will Adam use to implement two-factor authentication?

A. Biometric device
B. One Time Password
C. Proximity cards
D. Security token

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 21
Maria works as a Network Security Officer for Gentech Inc. She wants to encrypt her network traffic. The specific requirement for the encryption algorithm is that it must be a symmetric key block cipher. Which of the following techniques will she use to fulfill this requirement?

A. IDEA
B. PGP
C. DES
D. AES

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 22
Which of the following protocols uses public-key cryptography to authenticate the remote computer?

A. SSH
B. Telnet
C. SCP
D. SSL

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 23
Which of the following cryptographic system services ensures that information will not be disclosed to any unauthorized person on a local network?

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

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 24
Which of the following are the examples of technical controls? Each correct answer represents a complete solution. Choose three.

A. Auditing
B. Network architecture
C. System access
D. Data backups

Correct Answer: BCA
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 25
Which of the following tenets does the CIA triad provide for which security practices are measured? Each correct answer represents a part of the solution. Choose all that apply.

A. Integrity
B. Accountability
C. Availability
D. Confidentiality

Correct Answer: DAC
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 26
Which of the following types of attacks cannot be prevented by technical measures only?

A. Social engineering
B. Brute force
C. Smurf DoS Ping
D. flood attack

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 27
Which of the following attacks can be overcome by applying cryptography?

A. Web ripping
B. DoS
C. Sniffing
D. Buffer overflow

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 28

Which of the following authentication methods prevents unauthorized execution of code on remote systems?

A. TACACS
B. S-RPC
C. RADIUS
D. CHAP

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 29
The simplest form of a firewall is a packet filtering firewall. Typically a router works as a packet-filtering firewall and has the capability to filter on some of the contents of packets. On which of the following layers of the OSI reference model do these routers filter information? Each correct answer represents a complete solution. Choose all that apply.

A. Transport layer
B. Physical layer
C. Data Link layer
D. Network layer

Correct Answer: DA
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 30
Andrew works as a Network Administrator for Infonet Inc. The company's network has a Web server that hosts the company's Web site. Andrew wants to increase the security of the Web site by implementing Secure Sockets Layer (SSL). Which of the following types of encryption does SSL use? Each correct answer represents a complete solution. Choose two.

A. Synchronous
B. Secret

C. Asymmetric
D. Symmetric

Correct Answer: CD
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 31
John works as a professional Ethical Hacker. He has been assigned the project of testing the security of www.we-are-secure.com. John notices that the We-are-secure network is vulnerable to a man-in-the-middle attack since the key exchange process of the cryptographic algorithm it is using does not thenticate participants. Which of the following cryptographic algorithms is being used by the We-are-secure server?

A. Blowfish
B. Twofish
C. RSA
D. Diffie-Hellman

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 32
Which of the following electrical events shows a sudden drop of power source that can cause a wide variety of problems on a PC or a network?

A. Blackout
B. Power spike
C. Power sag
D. Power surge

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 33
Which of the following is the duration of time and a service level within which a business process must be restored after a disaster in order to avoid unacceptable consequences associated with a break in business continuity?

A. RCO
B. RTO
C. RPO
D. RTA

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 34
You work as an Incident handler in Mariotrixt.Inc. You have followed the Incident handling process to handle the events and incidents. You identify Denial of Service attack (DOS) from a network linked to your internal enterprise network. Which of the following phases of the Incident handling process should you follow next to handle this incident?

A. Containment
B. Preparation
C. Recovery
D. Identification

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 35
You have decided to implement video surveillance in your company in order to enhance network security. Which of the following locations must have a camera

in order to provide the minimum level of security for the network resources? Each correct answer represents a complete solution. Choose two.

A. Parking lot
B. All hallways
C. Server Rooms
D. All offices
E. All entrance doors

Correct Answer: EC
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 36
You work as a Network Administrator for NetTech Inc. You want to have secure communication on the company's intranet. You decide to use public key and private key pairs. What will you implement to accomplish this?

A. Microsoft Internet Information Server (IIS)
B. VPN
C. FTP server
D. Certificate server

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 37
Which of the following protocols is used to compare two values calculated using the Message Digest (MD5) hashing function?

A. CHAP
B. PEAP
C. EAP

D. EAP-TLS

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 38
Which of the following is a technique used for modifying messages, providing Information and Cyber security, and reducing the risk of hacking attacks during communications and message passing over the Internet?

A. Risk analysis
B. OODA loop
C. Cryptography
D. Firewall security

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 39
Which of the following statements about Public Key Infrastructure (PKI) are true? Each correct answer represents a complete solution. Choose two.

A. It uses symmetric key pairs.
B. It provides security using data encryption and digital signature.
C. It uses asymmetric key pairs.
D. It is a digital representation of information that identifies users.

Correct Answer: BC
Section: Volume A
Explanation

Explanation/Reference:

Section: Volume A

QUESTION 40
Which of the following types of halon is found in portable extinguishers and is stored as a liquid?

A. Halon-f
B. Halon 1301
C. Halon 11
D. Halon 1211

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 41
Mark has been hired by a company to work as a Network Assistant. He is assigned the task to configure a dial-up connection. He is configuring a laptop. Which of the following protocols should he disable to ensure that the password is encrypted during remote access?

A. SPAP
B. MSCHAP
C. PAP
D. MSCHAP V2

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 42
Which of the following disaster recovery tests includes the operations that shut down at the primary site, and are shifted to the recovery site according to the disaster recovery plan?

A. Structured walk-through test

B. Simulation test
C. Full-interruption test
D. Parallel test

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 43
In which of the following network topologies does the data travel around a loop in a single direction and pass through each device?

A. Ring topology
B. Tree topology
C. Star topology
D. Mesh topology

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 44
You are the Network Administrator for a small business. You need a widely used, but highly secure hashing algorithm. Which of the following should you choose?

A. AES
B. SHA
C. EAP
D. CRC32

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 45
Which of the following can be configured so that when an alarm is activated, all doors lock and the suspect or intruder is caught between the doors in the dead-space?

A. Man trap
B. Biometric device
C. Host Intrusion Detection System (HIDS)
D. Network Intrusion Detection System (NIDS)

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 46
Which of the following refers to a location away from the computer center where document copies and backup media are kept?

A. Storage Area network
B. Off-site storage
C. On-site storage
D. Network attached storage

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 47
Which of the following encryption methods does the SSL protocol use in order to provide communication privacy, authentication, and message integrity? Each correct answer represents a part of the solution. Choose two.

A. Public key
B. IPsec
C. MS-CHAP
D. Symmetric

Correct Answer: DA
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 48
John used to work as a Network Administrator for We-are-secure Inc. Now he has resigned from the company for personal reasons. He wants to send out some secret information of the company. To do so, he takes an image file and simply uses a tool image hide and embeds the secret file within an image file of the famous actress, Jennifer Lopez, and sends it to his Yahoo mail id. Since he is using the image file to send the data, the mail server of his company is unable to filter this mail. Which of the following techniques is he performing to accomplish his task?

A. Email spoofing
B. Social engineering
C. Web ripping
D. Steganography

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 49
Which of the following intrusion detection systems (IDS) monitors network traffic and compares it against an established baseline?

A. Network-based
B. Anomaly-based
C. File-based
D. Signature-based

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 50
Which of the following are the initial steps required to perform a risk analysis process? Each correct answer represents a part of the solution. Choose three.

A. Estimate the potential losses to assets by determining their value.
B. Establish the threats likelihood and regularity.
C. Valuations of the critical assets in hard costs.
D. Evaluate potential threats to the assets.

Correct Answer: ADB
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 51
Which of the following protocols uses the Internet key Exchange (IKE) protocol to set up security associations (SA)?

A. IPSec
B. L2TP
C. LEAP
D. ISAKMP

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 52
Sam is creating an e-commerce site. He wants a simple security solution that does not require each customer to have an individual key. Which of the following

encryption methods will he use?

A. Asymmetric encryption
B. Symmetric encryption
C. S/MIME
D. PGP

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 53
Computer networks and the Internet are the prime mode of Information transfer today. Which of the following is a technique used for modifying messages, providing Information and Cyber security, and reducing the risk of hacking attacks during communications and message passing over the Internet?

A. Risk analysis
B. Firewall security
C. Cryptography
D. OODA loop

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 54
An organization wants to allow a certificate authority to gain access to the encrypted data and create digital signatures on behalf of the user. The data is encrypted using the public key from a user's certificate. Which of the following processes fulfills the above requirements?

A. Key escrow
B. Key storage
C. Key revocation
D. Key recovery

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 55
Which of the following are the primary components of a discretionary access control (DAC) model? Each correct answer represents a complete solution. Choose two.

A. User's group
B. File and data ownership
C. Smart card
D. Access rights and permissions

Correct Answer: BD
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 56
Which of the following encryption modes can make protocols without integrity protection even more susceptible to replay attacks, since each block gets decrypted in exactly the same way?

A. Cipher feedback mode
B. Cipher block chaining mode
C. Output feedback mode
D. Electronic codebook mode

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 57
You work as a technician for Trade Well Inc. The company is in the business of share trading. To enhance security, the company wants users to provide a third key (apart from ID and password) to access the company's Web site. Which of the following technologies will you implement to accomplish the task?

A. Smart cards
B. Key fobs
C. VPN
D. Biometrics

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 58
Which of the following layers of the OSI model corresponds to the Host-to-Host layer of the TCP/IP model?

A. The transport layer
B. The presentation layer
C. The session layer
D. The application layer

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 59
You are the Network Administrator for a college. You watch a large number of people (some not even students) going in and out of areas with campus computers (libraries, computer labs, etc.). You have had a problem with laptops being stolen. What is the most cost effective method to prevent this?

A. Smart card access to all areas with computers.
B. Use laptop locks.

C. Video surveillance on all areas with computers.
D. Appoint a security guard.

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 60
The ATM of a bank is robbed by breaking the ATM machine. Which of the following physical security devices can now be used for verification and historical analysis of the ATM robbery?

A. Key card
B. Biometric devices
C. Intrusion detection systems
D. CCTV Cameras

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 61
You have been assigned the task of selecting a hash algorithm. The algorithm will be specifically used to ensure the integrity of certain sensitive files. It must use a 128 bit hash value. Which of the following should you use?

A. AES
B. SHA
C. MD5
D. DES

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 62
Which of the following are the countermeasures against a man-in-the-middle attack? Each correct answer represents a complete solution. Choose all that apply.

A. Using public key infrastructure authentication.
B. Using basic authentication.
C. Using Secret keys for authentication.
D. Using Off-channel verification.

Correct Answer: ACD
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 63
Which of the following is an electrical event shows that there is enough power on the grid to prevent from a total power loss but there is no enough power to meet the current electrical demand?

A. Power Surge
B. Power Spike
C. Blackout
D. Brownout

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 64
Which of the following protocols is designed to efficiently handle high-speed data over wide area networks (WANs)?

A. PPP
B. X.25
C. Frame relay
D. SLIP

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 65
Which of the following statements best describes a certification authority?

A. A certification authority is a technique to authenticate digital documents by using computer cryptography.
B. A certification authority is a type of encryption that uses a public key and a private key pair for data encryption.
C. A certification authority is an entity that issues digital certificates for use by other parties.
D. A certification authority is a type of encryption that uses a single key to encrypt and decrypt data.

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 66
In which of the following alternative processing sites is the backup facility maintained in a constant order, with a full complement of servers, workstations, and communication links ready to assume the primary operations responsibility?

A. Hot Site
B. Mobile Site
C. Warm Site
D. Cold Site

Correct Answer: A
Section: Volume A

Explanation

Explanation/Reference:
Section: Volume A

QUESTION 67
Which of the following should the administrator ensure during the test of a disaster recovery plan?

A. Ensure that the plan works properly
B. Ensure that all the servers in the organization are shut down.
C. Ensure that each member of the disaster recovery team is aware of their responsibility.
D. Ensure that all client computers in the organization are shut down.

Correct Answer: CA
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 68
The service-oriented modeling framework (SOMF) provides a common modeling notation to address alignment between business and IT organizations. Which of the following principles does the SOMF concentrate on? Each correct answer represents a part of the solution. Choose all that apply.

A. Disaster recovery planning
B. SOA value proposition
C. Software assets reuse
D. Architectural components abstraction
E. Business traceability

Correct Answer: EBCD
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 69

You want to connect a twisted pair cable segment to a fiber-optic cable segment. Which of the following networking devices will you use to accomplish the task?

A. Hub
B. Switch
C. Repeater
D. Router

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 70
In your office, you are building a new wireless network that contains Windows 2003 servers. To establish a network for secure communication, you have to implement IPSec security policy on the servers. What authentication methods can you use for this implementation? Each correct answer represents a complete solution. Choose all that apply.

A. Public-key cryptography
B. Kerberos
C. Preshared keys
D. Digital certificates

Correct Answer: BDC
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 71
Which of the following two components does Kerberos Key Distribution Center (KDC) consist of? Each correct answer represents a complete solution. Choose two.

A. Data service
B. Ticket-granting service
C. Account service

D. Authentication service

Correct Answer: DB
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 72
Kerberos is a computer network authentication protocol that allows individuals communicating over a non-secure network to prove their identity to one another in a secure manner. Which of the following statements are true about the Kerberos authentication scheme? Each correct answer represents a complete solution. Choose all that apply.

A. Kerberos requires continuous availability of a central server.
B. Dictionary and brute force attacks on the initial TGS response to a client may reveal the subject's passwords.
C. Kerberos builds on Asymmetric key cryptography and requires a trusted third party.
D. Kerberos requires the clocks of the involved hosts to be synchronized.

Correct Answer: ADB
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 73
An organization is seeking to implement a hot site and wants to maintain a live database server at the backup site. Which of the following solutions will be the best for the organization?

A. Electronic vaulting
B. Remote journaling
C. Remote mirroring
D. Transaction logging

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 74
A helpdesk technician received a phone call from an administrator at a remote branch office. The administrator claimed to have forgotten the password for the root account on UNIX servers and asked for it. Although the technician didn't know any administrator at the branch office, the guy sounded really friendly and since he knew the root password himself, he supplied the caller with the password. What type of attack has just occurred?

A. Social Engineering attack
B. Brute Force attack
C. War dialing attack
D. Replay attack

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 75
You work as a Network Administrator of a TCP/IP network. You are having DNS resolution problem. Which of the following utilities will you use to diagnose the problem?

A. TRACERT
B. PING
C. IPCONFIG
D. NSLOOKUP

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 76
The IPSec protocol is configured in an organization's network in order to maintain a complete infrastructure for secured network communications. IPSec uses

four components for this. Which of the following components reduces the size of data transmitted over congested network connections and increases the speed of such networks without losing data?

A. AH
B. ESP
C. IPcomp
D. IKE

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 77
You work as a CSO (Chief Security Officer) for Tech Perfect Inc. You want to perform the following tasks: Develop a risk-driven enterprise information security architecture. Deliver security infrastructure solutions that support critical business initiatives. Which of the following methods will you use to accomplish these tasks?

A. Service-oriented architecture
B. Sherwood Applied Business Security Architecture
C. Service-oriented modeling framework
D. Service-oriented modeling and architecture

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 78
A network is configured on a Bus topology. Which of the following conditions could cause a network failure? Each correct answer represents a complete solution. Choose all that apply.

A. A break in a network cable
B. 75 ohm terminators at open ends

C. A powered off workstation
D. An open-ended cable without terminators

Correct Answer: DBA
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 79
Which of the following is an input device that is used for controlling machines such as cranes, trucks, underwater unmanned vehicles, wheelchairs, surveillance cameras, and zero turning radius lawn mowers?

A. PS/2
B. Joystick
C. Microphone
D. AGP

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 80
Which of the following types of attacks is often performed by looking surreptitiously at the keyboard or monitor of an employee's computer?

A. Buffer-overflow attack
B. Man-in-the-middle attack
C. Shoulder surfing attack
D. Denial-of-Service (DoS) attack

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 81
A digital signature is a type of public key cryptography. Which of the following statements are true about digital signatures? Each correct answer represents a complete solution. Choose all that apply.

A. In order to digitally sign an electronic record, a person must use his/her public key.
B. In order to verify a digital signature, the signer's private key must be used.
C. In order to digitally sign an electronic record, a person must use his/her private key.
D. In order to verify a digital signature, the signer's public key must be used.

Correct Answer: CD
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 82
An authentication method uses smart cards as well as usernames and passwords for authentication. Which of the following authentication methods is being referred to?

A. Mutual
B. Anonymous
C. Multi-factor
D. Biometrics

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 83
You work as an Incident handling manager for Orangesect Inc. You detect a virus attack incident in the network of your company. You develop a signature based on the characteristics of the detected virus. Which of the following phases in the Incident handling process will utilize the signature to resolve this incident?

A. Eradication
B. Identification
C. Recovery
D. Containment

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 84
In which of the following access control models can a user not grant permissions to other users to see a copy of an object marked as secret that he has received, unless they have the appropriate permissions?

A. Discretionary Access Control (DAC)
B. Role Based Access Control (RBAC)
C. Mandatory Access Control (MAC)
D. Access Control List (ACL)

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 85
Which of the following protocols provides connectionless integrity and data origin authentication of IP packets?

A. ESP
B. AH
C. IKE
D. ISAKMP

Correct Answer: B
Section: Volume A

Explanation

Explanation/Reference:
Section: Volume A

QUESTION 86
The network you administer allows owners of objects to manage the access to those objects via access control lists. This is an example of what type of access control?

A. RBAC
B. MAC
C. CIA
D. DAC

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 87
Which of the following processes is used to identify relationships between mission critical applications, processes, and operations and all supporting elements?

A. Critical path analysis
B. Functional analysis
C. Risk analysis
D. Business impact analysis

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 88
Which of the following devices is a least expensive power protection device for filtering the electrical stream to control power surges, noise, power sags, and power spikes?

A. Line Conditioner
B. Surge Suppressor
C. Uninterrupted Power Supply (UPS)
D. Expansion Bus

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 89
You work as a Project Manager for Tech Perfect Inc. You are creating a document which emphasizes the formal study of what your organization is doing currently and where it will be in the future. Which of the following analysis will help you in accomplishing the task?

A. Cost-benefit analysis
B. Gap analysis
C. Requirement analysis
D. Vulnerability analysis

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 90
SSH is a network protocol that allows data to be exchanged between two networks using a secure channel. Which of the following encryption algorithms can be used by the SSH protocol? Each correct answer represents a complete solution. Choose all that apply.

A. Blowfish
B. DES
C. IDEA
D. RC4

Correct Answer: CBA
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 91
Which of the following firewalls inspects the actual contents of packets?

A. Packet filtering firewall
B. Stateful inspection firewall
C. Application-level firewall
D. Circuit-level firewall

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 92
Which of the following statements about incremental backup are true? Each correct answer represents a complete solution. Choose two.

A. It is the fastest method of backing up data.
B. It is the slowest method for taking a data backup.
C. It backs up the entire database, including the transaction log.
D. It backs up only the files changed since the most recent backup and clears the archive bit.

Correct Answer: AD
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 93
You work as a Network Administrator for Blue Bell Inc. The company has a TCP-based network. The company has two offices in different cities. The company

wants to connect the two offices by using a public network. You decide to configure a virtual private network (VPN) between the offices. Which of the following protocols is used by VPN for tunneling?

A. L2TP
B. HTTPS
C. SSL
D. IPSec

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 94
John works as a Network Administrator for NetPerfect Inc. The company has a Windows-based network. John has been assigned a project to build a network for the sales department of the company. It is important for the LAN to continue working even if there is a break in the cabling. Which of the following topologies should John use to accomplish the task?

A. Star
B. Mesh
C. Bus
D. Ring

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:
Section: Volume A

QUESTION 95
Which of the following encryption algorithms are based on block ciphers?

A. RC4
B. Twofish
C. Rijndael

D. RC5

Correct Answer: DCB
Section: Volume B
Explanation

Explanation/Reference:
Section: Volume B

QUESTION 96
Adam works as a Network Administrator. He discovers that the wireless AP transmits 128 bytes of plaintext, and the station responds by encrypting the plaintext. It then transmits the resulting ciphertext using the same key and cipher that are used by WEP to encrypt subsequent network traffic. Which of the following types of authentication mechanism is used here?

A. Pre-shared key authentication
B. Open system authentication
C. Shared key authentication
D. Single key authentication

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:
Section: Volume B

QUESTION 97
The OSI model is the most common networking model used in the industry. Applications, network functions, and protocols are typically referenced using one or more of the seven OSI layers. Of the following, choose the two best statements that describe the OSI layer functions. Each correct answer represents a complete solution. Choose two.

A. Layers 1 and 2 deal with application functionality and data formatting. These layers reside at the top of the model.
B. Layers 4 through 7 define the functionality of IP Addressing, Physical Standards, and Data Link protocols.
C. Layers 5, 6, and 7 focus on the Network Application, which includes data formatting and session control.
D. Layers 1, 2, 3, and 4 deal with physical connectivity, encapsulation, IP Addressing, and Error Recovery. These layers define the end-to-end functions of data delivery.

Correct Answer: DC

Section: Volume B
Explanation

Explanation/Reference:
Section: Volume B

QUESTION 98
Which of the following is the technology of indoor or automotive environmental comfort?

A. HIPS
B. HVAC
C. NIPS
D. CCTV

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:
Section: Volume B

QUESTION 99
Which of the following protocols provides certificate-based authentication for virtual private networks (VPNs)?

A. PPTP
B. SMTP
C. HTTPS
D. L2TP

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:
Section: Volume B

QUESTION 100
Which of the following types of ciphers are included in the historical ciphers? Each correct answer represents a complete solution. Choose two.

A. Block ciphers
B. Transposition ciphers
C. Stream ciphers
D. Substitution ciphers

Correct Answer: DB
Section: Volume B
Explanation

Explanation/Reference:
Section: Volume B