

1. Which of the following protocols is the security administrator observing in this packet capture?

12:33:43, SRC 192.168.4.3:3389, DST 10.67.33.20:8080, SYN/ACK

- A. HTTPS
- ☒ B. RDP
- C. HTTP
- D. SFTP

2. Which of the following cryptographic related browser settings allows an organization to communicate securely?

- ☒ A. SSL 3.0/TLS 1.0
- B. 3DES
- C. Trusted Sites
- D. HMAC

3. Recent data loss on financial servers due to security breaches forced the system administrator to harden their systems. Which of the following algorithms with transport encryption would be implemented to provide the MOST secure web connections to manage and access these servers?

- A. SSL
- ☒ B. TLS
- C. HTTP
- D. FTP

4. A security administrator has been tasked with setting up a new internal wireless network that must use end to end TLS. Which of the following may be used to meet this objective?

- A. WPA
- B. HTTPS
- C. WEP
- ☒ D. WPA 2

5. Which of the following protocols encapsulates an IP packet with an additional IP header?

- A. SFTP
- ☒ B. IPSec
- C. HTTPS
- D. SSL

6. A new MPLS network link has been established between a company and its business partner. The link provides logical isolation in order to prevent access from other business partners. Which of the following should be applied in order to achieve confidentiality and integrity of all data across the link?

- A. MPLS should be run in IPVPN mode.
- B. SSL/TLS for all application flows.
- ☒ C. IPSec VPN tunnels on top of the MPLS link.
- D. HTTPS and SSH for all application flows.

7. Which of the following would be used as a secure substitute for Telnet?

- ☒ A. SSH
- B. SFTP
- C. SSL
- D. HTTPS

8. Which of the following protocols provides transport security for virtual terminal emulation?

- A. TLS
- ☒ B. SSH
- C. SCP
- D. S/MIME

9. A security engineer is asked by the company's development team to recommend the most secure method for password storage. Which of the following provide the BEST protection against brute forcing stored passwords? (Choose two.)

- ☒ A. PBKDF2
- B. MD5
- C. SHA2
- ☒ D. Bcrypt
- E. AES

F. CHAP

10. Deploying a wildcard certificate is one strategy to:

- A. Secure the certificate's private key.
- B. Increase the certificate's encryption key length.
- C. Extend the renewal date of the certificate.
- ☒ D. Reduce the certificate management burden.

11. A certificate authority takes which of the following actions in PKI?

- A. Signs and verifies all infrastructure messages
- B. Issues and signs all private keys
- C. Publishes key escrow lists to CRLs
- ☒ D. Issues and signs all root certificates

12. Which of the following is used to certify intermediate authorities in a large PKI deployment?

- ☒ A. Root CA
- B. Recovery agent
- C. Root user
- D. Key escrow

13. Which of the following components MUST be trusted by all parties in PKI?

- A. Key escrow
- ☒ B. CA
- C. Private key
- D. Recovery key

14. Company employees are required to have workstation client certificates to access a bank website. These certificates were backed up as a precautionary step before the new computer upgrade. After the upgrade and restoration, users state they can access the bank's website, but not login. Which of the following is MOST likely the issue?

- A. The IP addresses of the clients have change
- B. The client certificate passwords have expired on the server
- ☒ C. The certificates have not been installed on the workstations
- D. The certificates have been installed on the CA

15. A company's security administrator wants to manage PKI for internal systems to help reduce costs. Which of the following is the FIRST step the security administrator should take?

- A. Install a registration server.
- B. Generate shared public and private keys.
- ☒ C. Install a CA
- D. Establish a key escrow policy.

16. Pete, an employee, needs a certificate to encrypt data. Which of the following would issue Pete a certificate?

- ☒ A. Certification authority
- B. Key escrow
- C. Certificate revocation list
- D. Registration authority

17. When reviewing a digital certificate for accuracy, which of the following would Matt, a security administrator, focus on to determine who affirms the identity of the certificate owner?

- A. Trust models
- B. CRL
- ☒ C. CA
- D. Recovery agent

218. Joe, a user, reports to the system administrator that he is receiving an error stating his certificate has been revoked. Which of the following is the name of the database repository for these certificates?

- A. CSR
- B. OCSP
- C. CA
- ☒ D. CRL

19. A systems administrator has implemented PKI on a classified government network. In the event that a disconnect occurs from the primary CA, which of the following should

be accessible locally from every site to ensure users with bad certificates cannot gain access to the network?

- ☒ A. A CRL
- ☐ B. Make the RA available
- ☐ C. A verification authority
- ☐ D. A redundant CA

20. A CRL is comprised of.

- ☐ A. Malicious IP addresses.
- ☐ B. Trusted CA's.
- ☐ C. Untrusted private keys.
- ☒ D. Public keys.

21. Which of the following MUST be updated immediately when an employee is terminated to prevent unauthorized access?

- ☐ A. Registration
- ☐ B. CA
- ☒ C. CRL
- ☐ D. Recovery agent

22. Which of the following provides a static record of all certificates that are no longer valid?

- ☐ A. Private key
- ☐ B. Recovery agent
- ☒ C. CRLs
- ☐ D. CA

23. A CA is compromised and attacks start distributing maliciously signed software updates. Which of the following can be used to warn users about the malicious activity?

- ☐ A. Key escrow
- ☐ B. Private key verification
- ☐ C. Public key verification
- ☒ D. Certificate revocation list

24. The finance department works with a bank which has recently had a number of cyber attacks. The finance department is concerned that the banking website certificates have been compromised. Which of the following can the finance department check to see if any of the bank's certificates are still valid?

- ☒ A. Bank's CRL
- ☐ B. Bank's private key
- ☐ C. Bank's key escrow
- ☐ D. Bank's recovery agent

25. A security administrator needs a locally stored record to remove the certificates of a terminated employee. Which of the following describes a service that could meet these requirements?

- ☐ A. OCSP
- ☐ B. PKI
- ☐ C. CA
- ☒ D. CRL

26. Public key certificates and keys that are compromised or were issued fraudulently are listed on which of the following?

- ☐ A. PKI
- ☐ B. ACL
- ☐ C. CA
- ☒ D. CRL

27. Which of the following identifies certificates that have been compromised or suspected of being compromised?

- ☒ A. Certificate revocation list
- ☐ B. Access control list
- ☐ C. Key escrow registry
- ☐ D. Certificate authority

28. When employees that use certificates leave the company they should be added to which of the following?

- ☐ A. PKI
- ☐ B. CA

- 169 ☒ C. CRL  
170 D. TKIP  
171
- 172 29. Which of the following should a security technician implement to identify untrusted  
certificates?  
173 A. CA  
174 B. PKI  
175 ☒ C. CRL  
176 D. Recovery agent  
177
- 178 30. Which of the following is true about the CRL?  
179 ☒ A. It should be kept public  
180 B. It signs other keys  
181 C. It must be kept secret  
182 D. It must be encrypted  
183
- 184 31. A system administrator is notified by a staff member that their laptop has been  
lost. The laptop contains the user's digital certificate. Which of the following will  
help resolve the issue? (Choose two.)  
185 ☒ A. Revoke the digital certificate  
186 B. Mark the key as private and import it  
187 C. Restore the certificate using a CRL  
188 ☒ D. Issue a new digital certificate  
189 E. Restore the certificate using a recovery agent  
190
- 191 32. Which of the following protocols is used to validate whether trust is in place and  
accurate by returning responses of either "good", "unknown", or "revoked"?  
192 A. CRL  
193 B. PKI  
194 ☒ C. OCSP  
195 D. RA  
196
- 197 33. An administrator needs to renew a certificate for a web server. Which of the  
following should be submitted to a CA?  
198 ☒ A. CSR  
199 B. Recovery agent  
200 C. Private key  
201 ~~D. CRL~~  
202
- 203 34. An administrator needs to submit a new CSR to a CA. Which of the following is a  
valid FIRST step?  
204 A. Generate a new private key based on AES.  
205 B. Generate a new public key based on RSA.  
206 C. Generate a new public key based on AES.  
207 ☒ D. Generate a new private key based on RSA.  
208
- 209 35. In which of the following scenarios is PKI LEAST hardened?  
210 A. The CRL is posted to a publicly accessible location.  
211 B. The recorded time offsets are developed with symmetric keys.  
212 ☒ C. A malicious CA certificate is loaded on all the clients.  
213 D. All public keys are accessed by an unauthorized user.  
214
- 215 36. Which of the following BEST describes part of the PKI process?  
216 A. User1 decrypts data with User2's private key  
217 B. User1 hashes data with User2's public key  
218 C. User1 hashes data with User2's private key  
219 ☒ D. User1 encrypts data with User2's public key  
220
- 221 37. A software development company wants to implement a digital rights management  
solution to protect its intellectual property. Which of the following should the  
company implement to enforce software digital rights?  
222 A. Transport encryption  
223 B. IPsec  
224 C. Non-repudiation  
225 ☒ D. Public key infrastructure  
226
- 227 38. Which of the following is the MOST likely cause of users being unable to verify a  
single user's email signature and that user being unable to decrypt sent messages?  
228 ☒ A. Unmatched key pairs

239 B. Corrupt key escrow  
 240 C. Weak public key  
 241 D. Weak private key  
 242  
 243 39. In PKI, a key pair consists of: (Choose two.)  
 244 A. A key ring  
 245 ☒ B. A public key  
 246 ☒ C. A private key  
 247 D. Key escrow  
 248 E. A passphrase  
 249  
 250 40. Which of the following is true about PKI? (Choose two.)  
 251 A. When encrypting a message with the public key, only the public key can decrypt it.  
 252 B. When encrypting a message with the private key, only the private key can decrypt it.  
 253 C. When encrypting a message with the public key, only the CA can decrypt it.  
 254 ☒ D. When encrypting a message with the public key, only the private key can decrypt it.  
 255 ☒ E. When encrypting a message with the private key, only the public key can decrypt it.  
 256  
 257 41. Which of the following allows a company to maintain access to encrypted resources  
 258 when employee turnover is high?  
 259 ☒ A. Recovery agent  
 260 B. Certificate authority  
 261 C. Trust model  
 262 D. Key escrow  
 263  
 264 42. Pete, an employee, is terminated from the company and the legal department needs  
 265 documents from his encrypted hard drive. Which of the following should be used to  
 266 accomplish this task? (Choose two.)  
 267 A. Private hash  
 268 ☒ B. Recovery agent  
 269 ☒ C. Public key  
 270 ☒ D. Key escrow  
 271 E. CRL  
 272  
 273 43. After encrypting all laptop hard drives, an executive officer's laptop has trouble  
 274 booting to the operating system. Now that it is successfully encrypted the helpdesk  
 275 cannot retrieve the data. Which of the following can be used to decrypt the information  
 276 for retrieval?  
 277 ☒ A. Recovery agent  
 278 B. Private key  
 279 C. Trust models  
 280 D. Public key  
 281  
 282 44. Which of the following is true about the recovery agent?  
 283 ☒ A. It can decrypt messages of users who lost their private key.  
 284 B. It can recover both the private and public key of federated users.  
 285 C. It can recover and provide users with their lost or private key.  
 286 D. It can recover and provide users with their lost public key.  
 287  
 288 45. The recovery agent is used to recover the:  
 289 A. Root certificate  
 290 B. Key in escrow  
 291 C. Public key  
 292 ☒ D. Private key  
 293  
 294 46. Which of the following is synonymous with a server's certificate?  
 295 ☒ A. Public key  
 296 B. CRL  
 297 C. Private key  
 298 D. Recovery agent  
 299  
 300 47. The security administrator installed a newly generated SSL certificate onto the  
 301 company web server. Due to a misconfiguration of the website, a downloadable file  
 302 containing one of the pieces of the key was available to the public. It was verified  
 303 that the disclosure did not require a reissue of the certificate. Which of the  
 304 following was MOST likely compromised?  
 305 ☒ A. The file containing the recovery agent's keys.  
 306 ☒ B. The file containing the public key.  
 307 C. The file containing the private key.

288 D. The file containing the server's encrypted passwords.  
289  
290  
291 48. The public key is used to perform which of the following? (Choose three.)  
292 A. Validate the CRL  
293 B. Validate the identity of an email sender  
294 C. Encrypt messages  
295 D. Perform key recovery  
296 E. Decrypt messages  
297 F. Perform key escrow  
298  
299 49. Public keys are used for which of the following?  
300 A. Decrypting wireless messages  
301 B. Decrypting the hash of an electronic signature  
302 C. Bulk encryption of IP based email traffic  
303 D. Encrypting web browser traffic  
304  
305 50. Which of the following explains the difference between a public key and a private  
306 key?  
307 A. The public key is only used by the client while the private key is available to  
308 all. Both keys are mathematically related.  
309 B. The private key only decrypts the data while the public key only encrypts the  
310 data. Both keys are mathematically related.  
311 C. The private key is commonly used in symmetric key decryption while the public key is  
312 used in asymmetric key decryption.  
313 D. The private key is only used by the client and kept secret while the public key is  
314 available to all.  
315  
316 51. Ann wants to send a file to Joe using PKI. Which of the following should Ann use in  
317 order to sign the file?  
318 A. Joe's public key  
319 B. Joe's private key  
320 C. Ann's public key  
321 D. Ann's private key  
322  
323 52. Which of the following devices is BEST suited for servers that need to store  
324 private keys?  
325 A. Hardware security module  
326 B. Hardened network firewall  
327 C. Solid state disk drive  
328 D. Hardened host firewall  
329  
330 53. Company A sends a PGP encrypted file to company B. If company A used company B's  
331 public key to encrypt the file, which of the following should be used to decrypt data  
332 at company B?  
333 A. Registration  
334 B. Public key  
335 C. CRLs  
336 D. Private key  
337  
338 54. Which of the following is true about an email that was signed by User A and sent to  
339 User B?  
340 A. User A signed with User B's private key and User B verified with their own public key.  
341 B. User A signed with their own private key and User B verified with User A's public key.  
342 C. User A signed with User B's public key and User B verified with their own private key.  
343 D. User A signed with their own public key and User B verified with User A's private key.  
344  
345 55. Which of the following must be kept secret for a public key infrastructure to  
346 remain secure?  
347 A. Certificate Authority  
348 B. Certificate revocation list  
349 C. Public key ring  
350 D. Private key  
351  
352 56. Which of the following allows an organization to store a sensitive PKI component  
353 with a trusted third party?  
354 A. Trust model  
355 B. Public Key Infrastructure  
356 C. Private key  
357 D. Key escrow

- 345  
346 57. Which of the following is a requirement when implementing PKI if data loss is unacceptable?
- 347 A. Web of trust  
348 B. Non-repudiation  
349 C. Key escrow  
350 D. Certificate revocation list
- 351  
352 58. Which of the following allows lower level domains to access resources in a separate Public Key Infrastructure?
- 353 A. Trust Model  
354 B. Recovery Agent  
355 C. Public Key  
356 D. Private Key
- 357  
358 59. A network administrator is looking for a way to automatically update company browsers so they import a list of root certificates from an online source. This online source will then be responsible for tracking which certificates are to be trusted or not trusted. Which of the following BEST describes the service that should be implemented to meet these requirements?
- 359 A. Trust model  
360 B. Key escrow  
361 C. OCSP  
362 D. PKI
- 363  
364 60. In order to use a two-way trust model the security administrator MUST implement which of the following?
- 365 A. DAC  
366 B. PKI  
367 C. HTTPS  
368 D. TPM
- 369  
370 61. Which of the following types of trust models is used by a PKI?
- 371 A. Transitive  
372 B. Open source  
373 C. Decentralized  
374 D. Centralized
- 375  
376 62. RC4 is a strong encryption protocol that is generally used with which of the following?
- 377 A. WPA2 CCMP  
378 B. PEAP  
379 C. WEP  
380 D. EAP-TLS
- 381  
382 63. A security administrator must implement a secure key exchange protocol that will allow company clients to autonomously exchange symmetric encryption keys over an unencrypted channel. Which of the following MUST be implemented?
- 383 A. SHA-256  
384 B. AES  
385 C. Diffie-Hellman  
386 D. 3DES
- 387  
388 64. A security administrator at a company which implements key escrow and symmetric encryption only, needs to decrypt an employee's file. The employee refuses to provide the decryption key to the file. Which of the following can the administrator do to decrypt the file?
- 389 A. Use the employee's private key  
390 B. Use the CA private key  
391 C. Retrieve the encryption key  
392 D. Use the recovery agent
- 393  
394 65. A system administrator is setting up a file transfer server. The goal is to encrypt the user authentication and the files the user is sending using only a user ID and a key pair. Which of the following methods would achieve this goal?
- 395 A. AES  
396 B. IPSec  
397 C. PGP  
398 D. SSH

- 399  
400 66. Joe, a user, wants to protect sensitive information stored on his hard drive. He  
uses a program that encrypted the whole hard drive. Once the hard drive is fully  
encrypted, he uses the same program to create a hidden volume within the encrypted hard  
drive and stores the sensitive information within the hidden volume. This is an example  
of which of the following? (Choose two.)  
401 A. Multi-pass encryption  
402 B. Transport encryption  
403 ☒ C. Plausible deniability  
404 ☒ D. Steganography  
405 E. Transitive encryption  
406 F. Trust models  
407  
408 67. A company is concerned that a compromised certificate may result in a  
man-in-the-middle attack against backend financial servers. In order to minimize the  
amount of time a compromised certificate would be accepted by other servers, the  
company decides to add another validation step to SSL/TLS connections. Which of the  
following technologies provides the FASTEST revocation capability?  
409 ☒ A. Online Certificate Status Protocol (OCSP)  
410 B. Public Key Cryptography (PKI)  
411 C. Certificate Revocation Lists (CRL)  
412 D. Intermediate Certificate Authority (CA)  
413  
414 68. A technician wants to verify the authenticity of the system files of a potentially  
compromised system. Which of the following can the technician use to verify if a system  
file was compromised? (Choose two.)  
415 A. AES  
416 B. PGP  
417 ☒ C. SHA  
418 ☒ D. MD5  
419 E. ECDHE  
420  
421 69. When confidentiality is the primary concern, and a secure channel for key exchange  
is not available, which of the following should be used for transmitting company  
documents?  
422 A. Digital Signature  
423 B. Symmetric  
424 ☒ C. Asymmetric  
425 D. Hashing  
426  
427 70. A small company wants to employ PKI. The company wants a cost effective solution  
that must be simple and trusted. They are considering two options: X.509 and PGP. Which  
of the following would be the BEST option?  
428 A. PGP, because it employs a web-of-trust that is the most trusted form of PKI.  
429 ☒ B. PGP, because it is simple to incorporate into a small environment.  
430 C. 509, because it uses a hierarchical design that is the most trusted form of PKI.  
431 E. 509, because it is simple to incorporate into a small environment.  
432  
433 71. Which of the following represents a cryptographic solution where the encrypted  
stream cannot be captured by a sniffer without the integrity of the stream being  
compromised?  
434 A. Elliptic curve cryptography.  
435 B. Perfect forward secrecy.  
436 C. Steganography.  
437 ☒ D. Quantum cryptography.  
438  
439 72. A new client application developer wants to ensure that the encrypted passwords  
that are stored in their database are secure from cracking attempts. To implement this,  
the developer implements a function on the client application that hashes passwords  
thousands of times prior to being sent to the database. Which of the following did the  
developer MOST likely implement?  
440 A. RIPEMD  
441 ☒ B. PBKDF2 Password-based Key Derivation Function 2  
442 C. HMAC H  
443 D. ECDHE  
444  
445 73. Joe must send Ann a message and provide Ann with assurance that he was the actual  
sender. Which of the following will Joe need to use to BEST accomplish the objective?  
446 A. A pre-shared private key



- 447 B. His private key  
448 C. Ann's public key  
449 D. His public key
- 450  
451 74. A system administrator wants to confidentially send a user name and password list to an individual outside the company without the information being detected by security controls. Which of the following would BEST meet this security goal?  
452 A. Digital signatures  
453 B. Hashing  
454 C. Full-disk encryption  
455 D. Steganography
- 456  
457 75. Protecting the confidentiality of a message is accomplished by encrypting the message with which of the following?  
458 A. Sender's private key  
459 B. Recipient's public key  
460 C. Sender's public key  
461 D. Recipient's private key
- 462  
463 76. A software developer utilizes cryptographic functions to generate codes that verify message integrity. Due to the nature of the data that is being sent back and forth from the client application to the server, the developer would like to change the cryptographic function to one that verifies both authentication and message integrity. Which of the following algorithms should the software developer utilize?  
464 A. HMAC  
465 B. SHA  
466 C. Two Fish  
467 D. RIPEMD
- 468  
469 77. When designing a corporate NAC solution, which of the following is the MOST relevant integration issue?  
470 A. Infrastructure time sync  
471 B. End user mobility  
472 C. 802.1X supplicant compatibility  
473 D. Network Latency  
474 E. Network Zoning
- 475  
476 78. Which of the following access methods uses radio frequency waves for authentication?  
477 A. Video surveillance  
478 B. Mantraps  
479 C. Proximity readers  
480 D. Biometrics
- 481  
482 79. Which of the following authentication methods can use the SCTP and TLS protocols for reliable packet transmissions?  
483 A. TACACS+  
484 B. SAML  
485 C. Diameter  
486 D. Kerberos
- 487  
488 80. Which of the following authentication protocols makes use of UDP for its services?  
489 A. RADIUS  
490 B. TACACS+  
491 C. LDAP  
492 D. XTACACS
- 493  
494 81. Which of the following is considered a risk management BEST practice of succession planning?  
495 A. Reducing risk of critical information being known to an individual person who may leave the organization  
496 B. Implementing company-wide disaster recovery and business continuity plans  
497 C. Providing career advancement opportunities to junior staff which reduces the possibility of insider threats  
498 D. Considering departmental risk management practices in place of company-wide practices
- 499  
500 82. Which of the following is the BEST technology for the sender to use in order to secure the in-band exchange of a shared key?  
501 A. Steganography  
502 B. Hashing algorithm

- 503 ☒ C. Asymmetric cryptography  
504 D. Stream cipher  
505
- 506 83. Which of the following design components is used to isolate network devices such as  
507 web servers?  
508 A. VLAN  
509 B. VPN  
510 ☒ C. NAT  
511 D. DMZ  
512
- 513 84. Which of the following is MOST critical in protecting control systems that cannot  
514 be regularly patched?  
515 A. Asset inventory  
516 ☒ B. Full disk encryption  
517 C. Vulnerability scanning  
518 D. Network segmentation  
519
- 520 85. Identifying residual is MOST important to which of the following concepts?  
521 A. Risk deterrence  
522 ☒ B. Risk acceptance  
523 C. Risk mitigation  
524 D. Risk avoidance  
525
- 526 86. Which of the following is replayed during wireless authentication to exploit a weak  
527 key infrastructure?  
528 ☒ A. Preshared keys or C.  
529 B. Ticket exchange  
530 C. Initialization vectors  
531 D. Certificate exchange  
532
- 533 87. Which of the following steps of incident response does a team analyze the incident  
534 and determine steps to prevent a future occurrence?  
535 A. Mitigation  
536 B. Identification  
537 C. Preparation  
538 ☒ D. Lessons learned  
539
- 540 88. A technician wants to secure communication to the corporate web portal, which is  
541 currently using HTTP. Which of the following is the FIRST step the technician should  
542 take?  
543 A. Send the server's public key to the CA  
544 B. Install the CA certificate on the server  
545 C. Import the certificate revocation list into the server  
546 ☒ D. Generate a certificate request from the server  
547
- 548 89. An organization has a need for security control that identifies when an  
549 organizational system has been unplugged and a rouge system has been plugged in. The  
550 security control must also provide the ability to supply automated notifications. Which  
551 of the following would allow the organization to BEST meet this business requirement?  
552 A. MAC filtering  
553 B. ACL  
554 C. SNMP  
555 ☒ D. Port security  
556
- 557 90. Internet banking customers currently use an account number and password to access  
558 their online accounts. The bank wants to improve security on high value transfers by  
559 implementing a system which call users back on a mobile phone to authenticate the  
560 transaction with voice verification. Which of the following authentication factors are  
561 being used by the bank?  
562 A. Something you know, something you do, and something you have  
563 B. Something you do, somewhere you are, and something you have  
564 C. Something you are, something you do and something you know  
565 ☒ D. Something you have, something you are, and something you know  
566
- 567 91. A security administrator has concerns that employees are installing unapproved  
568 applications on their company provide smartphones. Which of the following would BEST  
569 mitigate this?  
570 A. Implement remote wiping user acceptance policies  
571 B. Disable removable storage capabilities

- 557 ☒ C. Implement an application whitelist  
558 D. Disable the built-in web browsers  
559
- 560 92. The security manager must store a copy of a sensitive document and needs to verify  
561 at a later point that the document has not been altered. Which of the following will  
562 accomplish the security manager's objective?  
563 A. RSA  
564 B. AES *Should be SHA*  
565 C. MD5  
566 D. RC4
- 567 93. A security Operations Center was scanning a subnet for infections and found a  
568 contaminated machine. One of the administrators disabled the switch port that the  
569 machine was connected to, and informed a local technician of the infection. Which of  
570 the following steps did the administrator perform?  
571 A. Escalation  
572 B. Identification  
573 ☒ C. Notification  
574 ☒ D. Quarantine  
575 E. Preparation
- 576 94. A security administrator wants to block unauthorized access to a web server using a  
577 locally installed software program. Which of the following should the administrator  
578 deploy?  
579 A. NIDS  
580 ☒ B. HIPS  
581 C. NIPS  
582 D. HIDS
- 583 95. A network administrator has identified port 21 being open and the lack of an IDS as  
584 a potential risk to the company. Due to budget constraints, FTP is the only option that  
585 the company can is to transfer data and network equipment cannot be purchased. Which of  
586 the following is this known as?  
587 A. Risk transference  
588 B. Risk deterrence  
589 ☒ C. Risk acceptance  
590 D. Risk avoidance
- 591 96. A security administrator is investigating a recent server breach. The breach  
592 occurred as a result of a zero-day attack against a user program running on the server.  
593 Which of the following logs should the administrator search for information regarding  
594 the breach?  
595 ☒ A. Application log  
596 B. Setup log  
597 C. Authentication log  
598 D. System log
- 599 97. A user attempts to install new and relatively unknown software recommended by a  
600 colleague. The user is unable to install the program, despite having successfully  
601 installed other programs previously. Which of the following is MOST likely the cause  
602 for the user's inability to complete the installation?  
603 ☒ A. Application black listing  
604 B. Network Intrusion Prevention System  
605 C. Group policy  
606 ☒ D. Application white listing
- 607 98. A system administrator is configuring shared secrets on servers and clients. Which  
608 of the following authentication services is being deployed by the administrator?  
609 (Choose two.)  
610 A. Kerberos  
611 ☒ B. RADIUS  
612 C. TACACS+  
613 ☒ D. LDA  
614 E. Secure LDAP
- 615 99. Joe a technician is tasked with finding a way to test operating system patches for  
616 a wide variety of servers before deployment to the production environment while  
617 utilizing a limited amount of hardware resources. Which of the following would provide  
618 the BEST environment for performing this testing?

- 805 A. OS hardening
- 806 B. Application control
- 807 C. Virtualization
- 808 D. Sandboxing

809  
810 100. After an audit, it was discovered that an account was not disabled in a timely  
manner after an employee has departed from the organization. Which of the following did  
the organization fail to properly implement?

- 811 A. Routine account audits
- 812 B. Account management processes
- 813 C. Change management processes
- 814 D. User rights and permission review
- 815