## MULTIPLE CHOICE

| 1. | anc  | •  |                                   |   |                         | ormation is configured to require a valid userid f accepting and validating this information is  |  |
|----|--|--|-----------------------------------|---|-------------------------|--|--|
|    | a.   | Authentication   |                                   |   | c.                      | Two factor authentication  |  |
|    | b.   | Strong authentic   | ation                             |   | d.                      | Single sign-on   |  |
|    | AN   | IS: A  | PTS:                              | 1   |                         |  |  |
| 2. | The reason that two-factor authentication is preferable over ordinary authentication is:  a.  Two-factor authentication is more difficult to crack |  |                                   |   |                         |  |  |
|    | b.   | It relies upon something the user knows                                      |                                   |   |                         |  |  |
|    | c.<br>d.   | It relies upon something that the user has                                   |                                   |   |                         |  |  |
|    | u.   | Two-factor authentication uses stronger encryption algorithms                |                                   |   |                         |  |  |
|    | AN   | IS: C  | PTS:                              | 1   |                         |  |  |
| 3. | Whof: a. b. c. d.  |  | sed upor                          | n the user's job tit<br>n   |                         | ased on "what the user is", this refers to the use   |  |
|    | AN   | IS: D  | PTS:                              | 1   |                         |  |  |
| 4. | for a. b. c. d.  | storing a hash of<br>No one, even sys<br>Hashing algorith<br>Hashed password | the pass<br>stem adm<br>ms are lo | word instead of st<br>ninistrators, can d<br>ess CPU intensive<br>re less storage spa<br>ore easily reset a | coring<br>erive<br>than | ased on userid and password, the primary reason g the encrypted password is:  e the password  n encryption algorithms  tan encrypted passwords  s password when it is hashed |  |
|    |  |  |                                   |   |                         |  |  |

5. The primary reason why users are told to use strong passwords is NOT:

|    | <ul> <li>a. It is more difficult to "shoulder surf" a strong password because of the additional keystrokes</li> <li>b. Strong passwords are more difficult for others to guess</li> <li>c. Weak passwords are susceptible to dictionary attacks</li> <li>d. Passwords based on easily-discovered facts such as birthdays, spouse and pet names are easily guessed</li> <li>ANS: A PTS: 1</li> </ul>   |
|----|---|
| 6. | One disadvantage of the use of digital certificates as a means for two-factor authentication is NOT:  a. Digital certificates may not be portable across different types of machines  b. The password used to unlock the certificate may be weak and easily guessed  c. It may be possible to steal the certificate and use it on another computer  d. A digital certificate can theoretically be copied, unlike tokens and smart cards which are not easily cloned  ANS: A PTS: 1  |
| 7. | A smart card is a good form of two-factor authentication because:  a.  It contains a certificate on a microchip that is resistant to cloning or cracking b.  It can double as a proximity card for building entrance key card systems c.  It does not rely on internal power like a token d.  A smart card is portable and can be loaned to others  ANS: A PTS: 1   |
| 8. | Organizations that implement two-factor authentication often do not adequately plan. One result of this is:  a. Some users will lose their tokens, smart cards, or USB keys  b. Some users will store their tokens, smart cards, or USB keys with their computers, thereby defeating one of the advantages of two-factor authentication  c. Users will have trouble understanding how to use two-factor authentication  d. The cost of implementation and support can easily exceed the cost of the product itself  ANS: D PTS: 1 |
| 9. | Palm scan, fingerprint scan, and iris scan are forms of: a.   |

|     | b. Two-factor authentication d. Single sign-on   |
|-----|--|
|     | ANS: C PTS: 1  |
| 10. | A biometric authentication system that incorporates the results of newer scans into a user's profile is less likely to:  a. Have a lower False Accept Rate  b. Reject future authentication attempts as the user's biometrics slowly change over time  c. Correctly identify and authenticate users  d. Reject an impostor  ANS: B PTS: 1  |
| 11. | The use of retina scanning as a biometric authentication method has not gained favor because:  a. It is inconvenient to use retina scanning in a darkened room  b. Many users cannot hold their eye open long enough for a scan to complete  c. Users are uncomfortable holding their eye very near the biometric scanning device  d. The human retina changes significantly over time  ANS: C PTS: 1      |
| 12. | Voice recognition as a biometric authentication method is difficult to measure because:  a. Many factors including current health and respiration rate make sampling difficult b.  Computers are not yet fast enough to adequately sample a voice print c.  Voice recognition does not handle accents well d. Impatience changes voice patterns, which leads to increased False Reject Rates ANS: A PTS: 1 |
| 13. | <ul> <li>Which of the following statements about Crossover Error Rate (CER) is true:</li> <li>a.</li></ul>   |

| 14. |  |                          | tric system, and needs to tune it. Currently the stered users. What adjustment does the security                         |  |
|-----|--|--------------------------|--|--|
|     | a. Increase the False Acc  | · .                      | Increase the False Reject Rate   |  |
|     | b. Reduce the False Acc  | cept Rate                | Reduce the False Reject Rate   |  |
|     | ANS: D PTS   | S: 1                     |  |  |
| 15. | authentication. The engine that is based on TACACS                               | eer has found two produ  | e product that will perform centralized cts so far: one that is based on LDAP and one g statements is the best approach? |  |
|     | a. Select the LDAP base  | ed product               |  |  |
|     | b. Do not consider the T continue looking for o                                  |                          | consider the LDAP based product, and   |  |
|     | c. Select the TACACS b   | pased product            |  |  |
|     | d. Consider the TACAC TACACS   | S based product, and co  | ntinue looking for other products based on   |  |
|     | ANS: B PTS   | S: 1                     |  |  |
| 16. | <ul><li>b. Diameter</li><li>c. RADIUS</li><li>d. Lightweight Directory</li></ul> | y Authentication Protoco |  |  |
| 17. | the application utilizes str<br>take?<br>a.                                      |                          | order to steal information stored there. Because t is the most likely approach the intruder will                         |  |
|     | Dictionary attack b.   | d.                       | Application bypass attack  |  |
|     | Malicious code attack  |                          | Password guessing attack   |  |
|     | ANS: C PTS   | S: 1                     |  |  |
| 18. | Authentication, encryption   | -                        | les of:  |  |
|     | a. Defense in depth  |                          | C. Administrative controls   |  |
|     | b. Detective controls  | d.                       | Technical controls   |  |
|     | ANS: D PTS   | S: 1                     |  |  |

|     | The categories of controls are:   |   |
|-----|---|---|
|     | a. Detective, deterrent, preventive, corre  | ctive, recovery, and compensating   |
|     | b. Detective, preventive, and deterrent   |   |
|     | c. Technical, logical, and physical   |   |
|     | d. Detective, preventive, recovery, and c   | ompensating   |
|     | ANS: A PTS: 1   |   |
| 20. | Video surveillance is an example of what  | type(s) of control:   |
|     | a. Detective and deterrent  | c. Deterrent only   |
|     | b. Detective only   | d. Preventive   |
|     | ANS: A PTS: 1   | Trevenuve   |
|     | 116. 1  |   |
| 21. | Buffer overflow, SQL injection, and stack   | smashing are examples of:   |
|     | a.<br>Vulnerabilities   | c.<br>Input attacks   |
|     | b. Exploits   | d.<br>Injection attacks   |
|     | ANS: C PTS: 1   |   |
|     |   |   |
|     |   |   |
| 22. |   | ctop computers. Being concerned with data remanence   |
| 22. | what measures should the organization takes a.  | ke first?   |
| 22. | what measures should the organization taka.  Erase the hard drives b.   | c. Activate its TEMPEST shielding d.  |
| 22. | what measures should the organization taka.  Erase the hard drives  b.  Format the hard drives  | c. Activate its TEMPEST shielding   |
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|     | what measures should the organization taka.  Erase the hard drives  b.  Format the hard drives  | c. Activate its TEMPEST shielding d. Clear the computers' RAM   |
|     | what measures should the organization takes.  Erase the hard drives b. Format the hard drives ANS: A PTS: 1  What is the best defense against social engal.   | c. Activate its TEMPEST shielding d. Clear the computers' RAM  gineering? c.  |
|     | what measures should the organization take.  Erase the hard drives b. Format the hard drives ANS: A PTS: 1  What is the best defense against social enga. Spyware filters b.  | c. Activate its TEMPEST shielding d. Clear the computers' RAM  gineering? c. Data leakage protection (DLP) d.   |
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| 23. | what measures should the organization take.  Erase the hard drives  b. Format the hard drives  ANS: A PTS: 1  What is the best defense against social enga. Spyware filters  b. Firewalls  ANS: D PTS: 1  Signs, guards, guard dogs, and visible not a. Administrative controls  b. | c. Activate its TEMPEST shielding d. Clear the computers' RAM  gineering?  c. Data leakage protection (DLP) d. Security awareness training  ices are examples of:  c. Deterrent controls d. |

25. The reason why preventive controls are preferred over detective controls is:

- a. Preventive controls are less costly
- b. Detective controls do not actually stop unwanted activity
- c. Detective controls require more resources
- d. Preventive controls are do not detect unwanted activity

ANS: B PTS: 1