Test Bank for Management of Cybersecurity 7th Edition by Whitman, Mattord

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Management of Cybersecurity (7th)

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Total Questions: 34

Multiple Choice (28)

Q1. *[Multiple Choice] · Bloom's: Understand*

Which of the following statements is correct?

a) The primary focus of cybersecurity is protecting information assets. ✓ correct
b) The primary focus of cybersecurity is protecting physical assets.
c) The primary focus of cybersecurity is monitoring network traffic.
d) The primary focus of cybersecurity is securing computing devices.

Q2. *[Multiple Choice] · Bloom's: Understand*

What characteristic of the CIA triad is concerned with preventing unauthorized access to data?

a) confidentiality ✓ correct
b) integrity
c) availability
d) authenticity

Q3. *[Multiple Choice] · Bloom's: Understand*

What characteristic of the CIA triad is concerned with ensuring the data is accurate and valid?

a) confidentiality
b) integrity ✓ correct
c) availability
d) authenticity

Q4. *[Multiple Choice] · Bloom's: Apply*

Which characteristic of the CIA triad should you prioritize when implementing a backup system to recover data in the event of a disaster?

a) confidentiality
b) integrity
c) availability ✓ correct
d) authentication

Q5. *[Multiple Choice] · Bloom's: Apply*

Tom is tasked with ensuring that the company's database remains available to users even during a hardware failure. Which of the following actions should Tom take to achieve this, focusing on the appropriate CIA triad attribute of availability?

a) Encrypt the database to prevent unauthorized access.
b) Implement RAID (Redundant Array of Independent Disks) to protect against data loss. ✓ correct
c) Apply checksums and hashing algorithms to verify data integrity.
d) Set up multi-factor authentication for accessing the database.

Q6. *[Multiple Choice] · Bloom's: Apply*

Mary is configuring user access controls in Microsoft Active Directory to ensure that only authorized personnel can access sensitive data. Which specific action should Mary take to address the appropriate CIA triad attribute of confidentiality?

a) Set up user permissions to limit access to confidential files. ✓ correct
b) Schedule regular backups to ensure data recovery.
c) Implement checksums to verify data accuracy.
d) Enable logging to track user activities.

Q7. *[Multiple Choice] · Bloom's: Apply*

An organization wants to ensure that their data remains accessible even if a disk fails. Which action should they take to address the appropriate CIA triad attribute of availability?

a) Encrypt all sensitive data stored on the disks.
b) Implement a RAID (Redundant Array of Independent Disks) system. ✓ correct
c) Use digital signatures to verify data authenticity.
d) Set up detailed logging and monitoring.

Q8. *[Multiple Choice] · Bloom's: Analyze*

Which of the following scenarios best demonstrates the principle of defense in depth in access control?

a) A company uses firewalls, intrusion detection systems, and anti-virus software to protect its network. ✓ correct
b) A system administrator sets permissions so that users can only access files necessary for their job functions.
c) An organization encrypts its data to protect it during transmission over the Internet.
d) A user is required to enter a password and a one-time code sent to their phone to access the company's VPN.

Q9. *[Multiple Choice] · Bloom's: Analyze*

The company has recently implemented a security policy that requires all data to be incrementally backed up daily with full backups weekly. Analyze the policy and determine which characteristic of the CIA triad it best exemplifies, explaining your reasoning.

a) confidentiality, because it protects data from unauthorized access
b) integrity, because it ensures data remains accurate and unaltered
c) availability, because it ensures data can be restored and accessed even after a disaster ✓ correct
d) non-repudiation, because it ensures that actions can be tracked and verified

Q10. *[Multiple Choice] · Bloom's: Understand*

Which of the following represents a potential risk to an information asset?

a) hacker
b) vulnerability
c) attack
d) threat ✓ correct

Q11. *[Multiple Choice] · Bloom's: Understand*

What does an attack, sometimes called a threat event, represent?

a) a potential risk to an information asset and is defined as any event or circumstance that has the potential to adversely affect operations and assets
b) an ongoing act against the asset that could result in a loss and is defined as any event or circumstance that has the potential to adversely affect operations and assets ✓ correct
c) a potential vulnerability in an information asset and is defined as an exploit
d) potential attempts to damage or steal an organization's information or physical assets

Q12. *[Multiple Choice] · Bloom's: Understand*

Which is not a category of threats that represent a clear and present danger to an organization's people, information, and systems?

a) theft
b) technological obsolescence
c) cryptography ✓ correct
d) software attacks

Q13. *[Multiple Choice] · Bloom's: Understand*

What category of threat would fit the examples of malware, website spoofing, or denial of service?

a) theft
b) technological obsolescence
c) cryptography
d) software attacks ✓ correct

Q14. *[Multiple Choice] · Bloom's: Understand*

Ahmad is considered a novice hacker that uses scripts through automated exploits to attack a system. What type of novice hacker is Ahmad considered?

a) packet monkey
b) neophyte
c) white hat
d) script kiddie ✓ correct

Q15. *[Multiple Choice] · Bloom's: Apply*

General Hospital's systems in Hollywood, California, are malfunctioning as a result of a ransomware attack. Not only is the data encrypted, systems are impacted so severely that the staff had to go back to paper forms and data collection. Which action should General Hospital not take based on the recommendations from Druva?

a) turn off all devices and disconnect from the network
b) find the source of the infection
c) alert all users
d) pay the ransom ✓ correct

Q16. *[Multiple Choice] · Bloom's: Apply*

Since he was pressed for time, Joe used the file transfer protocol (ftp) to upload documents to a server for everyone to access. A week or so later Joe was notified that he has logged in from a location that he knows nothing about. What should Joe do at a minimum?

a) He should contact the IT department and ask them to ignore the alert.
b) He should delete his account and start over.
c) He should change his password. ✓ correct
d) He should do nothing because he was notified in error.

Q17. *[Multiple Choice] · Bloom's: Analyze*

Which of the following scenarios best illustrates the impact of a denial-of-service (DoS) attack on an organization's operations?

a) An organization's network has overwhelmed a computer target's ability to handle incoming communications, prohibiting legitimate users from accessing their systems. ✓ correct

b) An attacker encrypts an organization's sensitive data, thereby demanding ransom with a decryption key to restore access to it.

c) An employee unknowingly clicks on a link in an email that installs malware on a company's computer to steal login credentials.

d) An attacker gains unauthorized access to the organization's network by exploiting a vulnerability in the operating system.

Q18. *[Multiple Choice] · Bloom's: Analyze*

What is most likely the cause of an SQL injection of a web application?

a) The web application has a defect that exploits how the web server renders web pages.

b) The web page executes a malicious script within a client's web browser.

c) Developers failed to validate user input on a web form before passing it to a database. ✓ correct

d) The web page will hide sensitive information using a hidden form field in plaintext, which could be used in attacks.

Q19. *[Multiple Choice] · Bloom's: Understand*

What is the management theory that uses core principles of planning, organizing, staffing, and controlling?

a) traditional management theory ✓ correct

b) popular management theory

c) modern management theory

d) ancient management theory

Q20. *[Multiple Choice] · Bloom's: Understand*

What is the management theory that uses core principles of planning, organizing, leading, and controlling?

a) traditional management theory

b) popular management theory ✓ correct

c) modern management theory

d) new age management theory

Q21. *[Multiple Choice] · Bloom's: Apply*

Sixco is a cybersecurity government contractor located in Northern Virginia. Sandy, a Sixco leader, calls a meeting after a major breach occurred in the agency that Sixco supports. She brings all the managers together, tells them exactly what each of them are going to do, and when she expects a report from all of them. What type of leader would Sandy be considered?

a) influencer

b) democratic

c) laissez-faire

d) autocratic ✓ correct

Q22. *[Multiple Choice] · Bloom's: Apply*

Jack's Pizza is a chain restaurant located in 13 states. They have hired a CISO called Max to handle the cybersecurity operations of all the pizza chains. Max brings all his staff together to discuss the overall organization's strategy for cybersecurity. He solicits all their input and creates a strategy from the dialogue he had with his team. What type of leader would Max be considered?

a) influencer
b) democratic ✓ correct
c) laissez-faire
d) autocratic

Q23. *[Multiple Choice] · Bloom's: Apply*

Susie is a manager at Lisco, a pharmaceutical company in charge of cybersecurity for the organization. She has been tasked by Julie, her boss, to create a strategy for the next five year period based on what she accomplished the previous few years. Which of the following phases is Suzie using?

a) planning ✓ correct
b) organizing
c) leading
d) controlling

Q24. *[Multiple Choice] · Bloom's: Analyze*

In what way does leadership differ from management?

a) Leaders administer the resources they are assigned by an organization while managers need to influence others to gain their willing cooperation and achieve an objective by providing purpose, direction, and motivation.
b) Leaders need to influence others to gain their willing cooperation and achieve an objective by providing purpose, direction, and motivation while managers administer the resources they are assigned by an organization. ✓ correct
c) Leaders do not need to influence others to gain their willing cooperation and achieve an objective by providing purpose, direction, and motivation while managers administer the resources they are assigned by an organization.
d) Leaders need to influence others to gain their willing cooperation and achieve an objective by providing purpose, direction, and motivation while managers do not need to administer the resources they are assigned by an organization.

Q25. *[Multiple Choice] · Bloom's: Understand*

Philip was tasked by Sam, the CISO, to review all the security guidelines within the organization to make sure they are up to date with current industry standards. Which of the "the six Ps" does Philip's work fall into?

a) planning
b) policy ✓ correct
c) programs
d) protection

Q26. *[Multiple Choice] · Bloom's: Apply*

Suzanne was tasked by Sally, the CISO, to develop strategies for the next five years to ensure confidentiality, integrity, and availability of information for the organization. Which of the "the six Ps" does Suzanne's work fall into?

a) planning ✓ correct
b) policy
c) programs
d) protection

Q27. *[Multiple Choice] · Bloom's: Apply*

As a member of the cybersecurity management team, Tammy is tasked to resolve the potential conflicts between them and the IT management team. How should Tammy address the potential conflicts to ensure effective information processing and secure operations?

a) Tammy should implement additional security measures to slow down information processing.

b) Tammy should prioritize the cybersecurity management team goals to maintain secure operations.

c) Tammy should facilitate meetings between the two teams to align their goals and resolve any conflicts. ✓ correct

d) Tammy should delegate the responsibility of resolving conflicts to the Chief Information Officer (CIO) alone.

Q28. *[Multiple Choice] · Bloom's: Analyze*

In what way does cybersecurity management differ from IT management?

a) IT management is responsible for the effective and efficient processing of information while cybersecurity management is responsible for ensuring confidentiality, integrity, and availability of information.

b) Cybersecurity management is responsible for the effective and efficient processing of information while IT management is responsible for ensuring confidentiality, integrity, and authentication of information.

c) Cybersecurity management is responsible for the effective and efficient processing of information while IT management is responsible for ensuring confidentiality, integrity, and availability of information. ✓ correct

d) IT management is responsible for the secure processing of information while cybersecurity management is responsible for ensuring the integrity of information.

Multiple Answer (6)

Q29. *[Multiple Answer] · Bloom's: Understand*

Which statement best supports who has cybersecurity responsibility in the company? (Choose all that apply.)

a) Cybersecurity is the responsibility of a small dedicated group of professionals in the company. ✓ correct

b) Cybersecurity is the responsibility of employees. ✓ correct

c) Cybersecurity is the responsibility of an employee's family. ✓ correct

d) Cybersecurity is the responsibility of the managers in the company. ✓ correct

Q30. *[Multiple Answer] · Bloom's: Apply*

Margaret received an important email from the CEO about a change in financial regulations and asked her to fill out an attachment and send it back to the CEO immediately. What actions should Margaret take with this request? (Choose all that apply.)

a) Download the attachment, fill it out, and send it immediately back. ✓ correct

b) Verify the authenticity of the email before doing anything. ✓ correct

c) Check the email for authenticity through looking at the email header and any links in the email. ✓ correct

d) She should ignore the email. ✓ correct

Q31. *[Multiple Answer] · Bloom's: Understand*

What are the roles that managers play within organizations? (Choose all that apply.)

a) Managers play an influential role. ✓ correct

b) Managers play a lead by example role. ✓ correct

c) Managers play an informational role. ✓ correct

d) Managers play a decisional role. ✓ correct

Q32. *[Multiple Answer] · Bloom's: Understand*

What are the roles that leaders play within organizations? (Choose all that apply.)

a) Leaders play an influential role. ✓ correct
b) Leaders play a lead by example role. ✓ correct
c) Leaders play an informational role. ✓ correct
d) Leaders play a decisional role. ✓ correct

Q33. *[Multiple Answer] · Bloom's: Understand*

Which of the following are the behavioral types of leaders? (Choose all that apply.)

a) influencer ✓ correct
b) democratic ✓ correct
c) laissez-faire ✓ correct
d) autocratic ✓ correct

Q34. *[Multiple Answer] · Bloom's: Analyze*

John, a help desk manager of an organization, received a confusing problem to solve for a customer. The problem is related to a customer's computer being so slow and it was not before. John asks Molly to go research, present several solutions for him to consider, and what she would recommend they do. Which phases of the problem-solving process does Molly need to go through before meeting with her boss? (Choose all that apply.)

a) Recognize and Define the Problem ✓ correct
b) Gather Facts and Make Assumptions ✓ correct
c) Develop Possible Solutions ✓ correct
d) Analyze and Compare Possible Solutions ✓ correct
e) Select, Implement, and Evaluate ✓ correct