



# GIAC

## GISP Exam

### GIAC Information Security Professional

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## Version: 5.0

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**Question: 1**

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Which of the following is a technique used to attack an Ethernet wired or wireless network?

- A. DNS poisoning
- B. Keystroke logging
- C. Mail bombing
- D. ARP poisoning

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**Answer: D**

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**Question: 2**

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Which of the following refers to encrypted text?

- A. Plaintext
- B. Cookies
- C. Hypertext
- D. Ciphertext

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**Answer: D**

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**Question: 3**

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Which of the following are the benefits of information classification for an organization?

- A. It helps identify which information is the most sensitive or vital to an organization.
- B. It ensures that modifications are not made to data by unauthorized personnel or processes.
- C. It helps identify which protections apply to which information.
- D. It helps reduce the Total Cost of Ownership (TCO).

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**Answer: A,C**

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**Question: 4**

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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. Role-Based Access Control
- B. Discretionary Access Control
- C. Mandatory Access Control

D. Policy Access Control

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**Answer: A**

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**Question: 5**

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Which of the following are methods used for authentication?  
Each correct answer represents a complete solution. Choose all that apply.

- A. Smart card
- B. Biometrics
- C. Username and password
- D. Magnetic stripe card

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**Answer: A,B,C,D**

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**Question: 6**

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Which of the following protocols is used to verify the status of a certificate?

- A. CEP
- B. HTTP
- C. OSPF
- D. OCSP

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**Answer: D**

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**Question: 7**

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Fill in the blank with the appropriate value.  
Service Set Identifiers (SSIDs) are case sensitive text strings that have a maximum length of \_\_\_\_\_ characters.

- A. 32

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**Answer: A**

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**Question: 8**

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You work as a Network Administrator for NetTech Inc. The company has a network that consists of 200 client computers and ten database servers. One morning, you find that a hacker is accessing unauthorized data on a database server on the network. Which of the following actions will you take to preserve the evidences?

Each correct answer represents a complete solution. Choose three.

- A. Prevent a forensics experts team from entering the server room.

- B. Preserve the log files for a forensics expert.
- C. Prevent the company employees from entering the server room.
- D. Detach the network cable from the database server.

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**Answer: B,C,D**

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**Question: 9**

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Which of the following heights of fence deters only casual trespassers?

- A. 3 to 4 feet
- B. 2 to 2.5 feet
- C. 8 feet
- D. 6 to 7 feet

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**Answer: A**

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**Question: 10**

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Which of the following statements about role-based access control (RBAC) model is true?

- A. In this model, a user can access resources according to his role in the organization.
- B. In this model, the permissions are uniquely assigned to each user account.
- C. In this model, the same permission is assigned to each user account.
- D. In this model, the users can access resources according to their seniority.

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**Answer: A**

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**Question: 11**

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Which of the following statements about a fiber-optic cable are true?  
Each correct answer represents a complete solution. Choose three.

- A. It is immune to electromagnetic interference (EMI).
- B. It can transmit undistorted signals over great distances.
- C. It has eight wires twisted into four pairs.
- D. It uses light pulses for signal transmission.

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**Answer: A,B,D**

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**Question: 12**

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Which of the following statements about the bridge are true?  
Each correct answer represents a complete solution. Choose two.

- A. It filters traffic based on IP addresses.
- B. It forwards broadcast packets.
- C. It assigns a different network address per port.
- D. It filters traffic based on MAC addresses.

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**Answer: B,D**

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**Question: 13**

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Sam works as a Web Developer for McRobert Inc. He wants to control the way in which a Web browser receives information and downloads content from Web sites. Which of the following browser settings will Sam use to accomplish this?

- A. Proxy server
- B. Security
- C. Cookies
- D. Certificate

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**Answer: B**

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**Question: 14**

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Which of the following are used to suppress paper or wood fires?  
Each correct answer represents a complete solution. Choose two.

- A. Water
- B. Kerosene
- C. CO<sub>2</sub>
- D. Soda acid

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**Answer: A,D**

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**Question: 15**

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Which of the following steps can be taken to protect laptops and data they hold?  
Each correct answer represents a complete solution. Choose all that apply.

- A. Use slot locks with cable to connect the laptop to a stationary object.

- B. Keep inventory of all laptops including serial numbers.
- C. Harden the operating system.
- D. Encrypt all sensitive data.

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**Answer: A,B,C,D**

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**Question: 16**

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Which of the following attacks involves multiple compromised systems to attack a single target?

- A. Brute force attack
- B. DDoS attack
- C. Dictionary attack
- D. Replay attack

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**Answer: B**

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**Question: 17**

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Which of the following statements about DMZ are true?  
Each correct answer represents a complete solution. Choose two.

- A. It is an anti-virus software that scans the incoming traffic on an internal network.
- B. It is the boundary between the Internet and a private network.
- C. It contains company resources that are available on the Internet, such as Web servers and FTP servers.
- D. It contains an access control list (ACL).

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**Answer: B,C**

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**Question: 18**

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Which of the following protocols is used to establish a secure TELNET session over TCP/IP?

- A. SSL
- B. PGP
- C. IPSEC
- D. SSH

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**Answer: D**

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**Question: 19**

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Which methods help you to recover your data in the event of a system or hard disk failure?  
Each correct answer represents a complete solution. Choose two.

- A. Install a RAID system
- B. Use data encryption
- C. Install and use a tape backup unit
- D. Install UPS systems on all important devices

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**Answer: A,C**

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**Question: 20**

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When no anomaly is present in an Intrusion Detection, but an alarm is generated, the response is known as \_\_\_\_\_.

- A. False positive
- B. False negative
- C. True negative
- D. True positive

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**Answer: A**

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**Question: 21**

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Which of the following statements about smurf is true?

- A. It is an ICMP attack that involves spoofing and flooding.
- B. It is a UDP attack that involves spoofing and flooding.
- C. It is a denial of service (DoS) attack that leaves TCP ports open.
- D. It is an attack with IP fragments that cannot be reassembled.

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**Answer: A**

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**Question: 22**

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Which of the following policies is set by a network administrator to allow users to keep their emails and documents for a fixed period of time?

- A. Retention policy
- B. Password policy
- C. Audit policy
- D. Backup policy

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**Answer: A**

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**Question: 23**

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Which of the following statements about Switched Multimegabit Data Service (SMDS) are true? Each correct answer represents a complete solution. Choose two.

- A. It is a logical connection between two devices.
- B. It uses fixed-length (53-byte) packets to transmit information.
- C. It supports speeds of 1.544 Mbps over Digital Signal level 1 (DS-1) transmission facilities.
- D. It is a high-speed WAN networking technology used for communication over public data networks

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**Answer: C,D**

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**Question: 24**

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Which of the following terms refers to the protection of data against unauthorized access?

- A. Auditing
- B. Recovery
- C. Confidentiality
- D. Integrity

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**Answer: C**

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**Question: 25**

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Which of the following is a remote access protocol that supports encryption?

- A. PPP
- B. SNMP
- C. UDP
- D. SLIP

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**Answer: A**

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**Question: 26**

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Which of the following is the best way of protecting important data against virus attack?

- A. Updating the anti-virus software regularly.
- B. Taking daily backup of data.
- C. Using strong passwords to log on to the network.
- D. Implementing a firewall.

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**Answer: A**

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**Question: 27**

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Which of the following functions are performed by a firewall?  
Each correct answer represents a complete solution. Choose all that apply.



- A. It hides vulnerable computers that are exposed to the Internet.
- B. It logs traffic to and from the private network.
- C. It enhances security through various methods, including packet filtering, circuit-level filtering, and application filtering.
- D. It blocks unwanted traffic.

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**Answer: A,B,C,D**

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**Question: 28**

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Which of the following statements about Digest authentication are true?  
Each correct answer represents a complete solution. Choose two.

- A. In Digest authentication, passwords are sent across a network as clear text, rather than as a hash value.
- B. Digest authentication is used by wireless LANs, which follow the IEEE 802.11 standard.
- C. In Digest authentication, passwords are sent across a network as a hash value, rather than as clear text.
- D. Digest authentication is a more secure authentication method as compared to Basic authentication.

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**Answer: C,D**

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**Question: 29**

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Which of the following types of attacks slows down or stops a server by overloading it with requests?

- A. Vulnerability attack
- B. Impersonation attack
- C. Network attack
- D. DoS attack

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**Answer: D**

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**Question: 30**

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Which of the following is the most secure authentication method?

- A. Certificate-based authentication
- B. Basic authentication
- C. Digest authentication
- D. Integrated Windows authentication

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**Answer: A**

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**Question: 31**

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Which of the following practices come in the category of denial of service attack?  
Each correct answer represents a complete solution. Choose three.

- A. Sending lots of ICMP packets to an IP address
- B. Disrupting services to a specific computer
- C. Performing Back door attack on a system
- D. Sending thousands of malformed packets to a network for bandwidth consumption

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**Answer: A,B,D**

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**Question: 32**

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What does the Internet encryption and authentication system named RSA stand for?

- A. Rivest-Shamir-Adleman
- B. Read System Authority
- C. Rivest-System-Adleman
- D. Remote System Authority

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**Answer: A**

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**Question: 33**

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Which of the following authentication methods support mutual authentication?  
Each correct answer represents a complete solution. Choose two.

- A. MS-CHAP v2
- B. EAP-TLS
- C. EAP-MD5
- D. NTLM

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**Answer: A,B**

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**Question: 34**

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Fill in the blank with the appropriate layer name.

The Network layer of the OSI model corresponds to the \_\_\_\_\_ layer of the TCP/IP model.

- A. Internet

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**Answer: A**

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**Question: 35**

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Which of the following are the application layer protocols for security?  
Each correct answer represents a complete solution. Choose three.

- A. Secure Hypertext Transfer Protocol (S-HTTP)
- B. Secure Sockets Layer (SSL)
- C. Secure Electronic Transaction (SET)
- D. Secure Shell (SSH)

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**Answer: A,C,D**

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