

# EC-Council

## Exam Questions 312-38

EC-Council Network Security Administrator (ENSA)



#### NEW QUESTION 1

The network administrator wants to strengthen physical security in the organization. Specifically, to implement a solution stopping people from entering certain restricted zones without proper credentials. Which of following physical security measures should the administrator use?

- A. Bollards
- B. Fence
- C. Video surveillance
- D. Mantrap

**Answer: B**

#### NEW QUESTION 2

Identify the correct statements regarding a DMZ zone:

- A. It is a file integrity monitoring mechanism
- B. It is a Neutral zone between a trusted network and an untrusted network
- C. It serves as a proxy
- D. It includes sensitive internal servers such as database servers

**Answer: B**

#### NEW QUESTION 3

Stephanie is currently setting up email security so all company data is secured when passed through email. Stephanie first sets up encryption to make sure that a specific user's email is protected. Next, she needs to ensure that the incoming and the outgoing mail has not been modified or altered using digital signatures. What is Stephanie working on?

- A. Usability
- B. Data Integrity
- C. Availability
- D. Confidentiality

**Answer: B**

#### NEW QUESTION 4

Kelly is taking backups of the organization's data. Currently, he is taking backups of only those files which are created or modified after the last backup. What type of backup is Kelly using?

- A. Full backup
- B. Incremental backup
- C. Differential Backup
- D. Normal Backup

**Answer: B**

#### NEW QUESTION 5

A local bank wants to protect their card holder data. The bank should comply with the \_\_\_\_\_ standard to ensure the security of card holder data.

- A. HIPAA
- B. ISEC
- C. PCI DSS
- D. SOAX

**Answer: C**

#### NEW QUESTION 6

If there is a fire incident caused by an electrical appliance short-circuit, which fire suppressant should be used to control it?

- A. Water
- B. Wet chemical
- C. Dry chemical
- D. Raw chemical

**Answer: C**

#### NEW QUESTION 7

Kyle, a front office executive, suspects that a Trojan has infected his computer. What should be his first course of action to deal with the incident?

- A. Contain the damage
- B. Disconnect the five infected devices from the network
- C. Inform the IRT about the incident and wait for their response
- D. Inform everybody in the organization about the attack

**Answer: C**

**NEW QUESTION 8**

Sam, a network administrator is using Wireshark to monitor the network traffic of the organization. He wants to detect TCP packets with no flag set to check for a specific attack attempt. Which filter will he use to view the traffic?

- A. Tcp.flags==0x000
- B. Tcp.flags==0000x
- C. Tcp.flags==000x0
- D. Tcp.flags==x0000

**Answer:** A

**NEW QUESTION 9**

What is the name of the authority that verifies the certificate authority in digital certificates?

- A. Directory management system
- B. Certificate authority
- C. Registration authority
- D. Certificate Management system

**Answer:** D

**NEW QUESTION 10**

Management wants to calculate the risk factor for their organization. Kevin, a network administrator in the organization knows how to calculate the risk factor. Certain parameters are required before calculating risk factor. What are they? (Select all that apply) Risk factor =.....X.....X.....

- A. Vulnerability
- B. Impact
- C. Attack
- D. Threat

**Answer:** ABD

**NEW QUESTION 10**

James is working as a Network Administrator in a reputed company situated in California. He is monitoring his network traffic with the help of Wireshark. He wants to check and analyze the traffic against a PING sweep attack. Which of the following Wireshark filters will he use?

- A. Icmp.type==0 and icmp.type==16
- B. Icmp.type==8 or icmp.type==16
- C. Icmp.type==8 and icmp.type==0
- D. Icmp.type==8 or icmp.type==0

**Answer:** D

**NEW QUESTION 11**

Identify the spread spectrum technique that multiplies the original data signal with a pseudo random noise spreading code.

- A. FHSS
- B. DSSS
- C. OFDM
- D. ISM

**Answer:** B

**NEW QUESTION 14**

Ross manages 30 employees and only 25 computers in the organization. The network the company uses is a peer-to-peer. Ross configures access control measures allowing the employees to set their own control measures for their files and folders. Which access control did Ross implement?

- A. Discretionary access control
- B. Mandatory access control
- C. Non-discretionary access control
- D. Role-based access control

**Answer:** A

**NEW QUESTION 16**

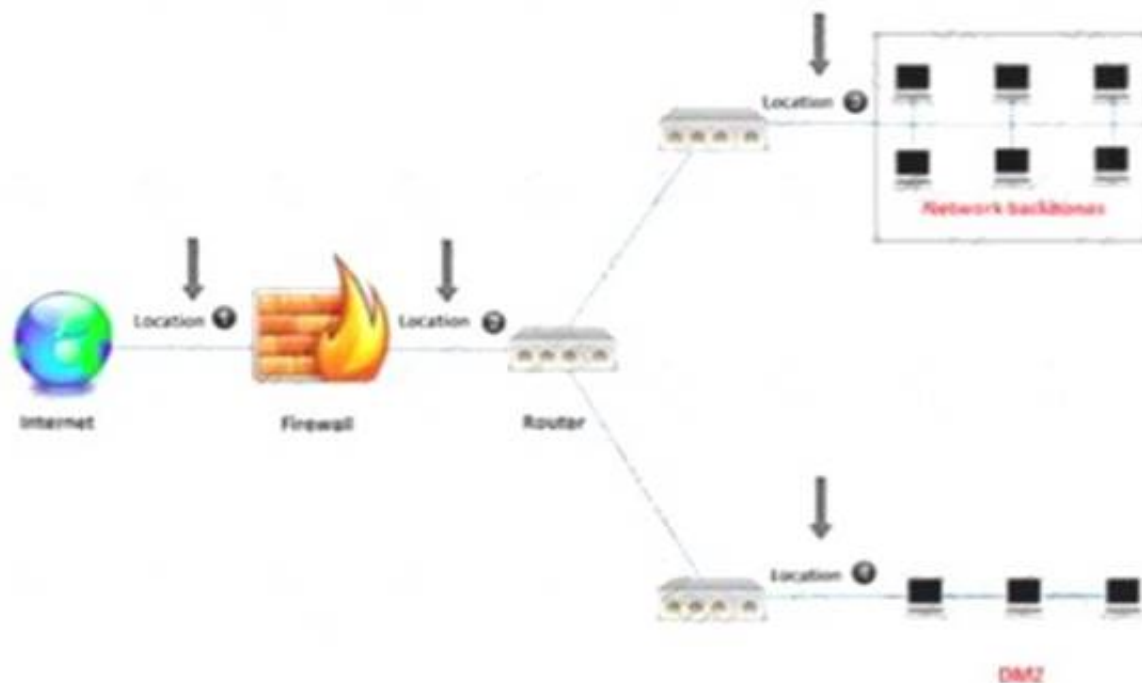
Geon Solutions INC., had only 10 employees when it started. But as business grew, the organization had to increase the amount of staff. The network administrator is finding it difficult to accommodate an increasing number of employees in the existing network topology. So the organization is planning to implement a new topology where it will be easy to accommodate an increasing number of employees. Which network topology will help the administrator solve the problem of needing to add new employees and expand?

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

**Answer:** B

#### NEW QUESTION 18

An administrator wants to monitor and inspect large amounts of traffic and detect unauthorized attempts from inside the organization, with the help of an IDS. They are not able to recognize the exact location to deploy the IDS sensor. Can you help him spot the location where the IDS sensor should be placed?



- A. Location 2
- B. Location 3
- C. Location 4
- D. Location 1

**Answer:** A

#### NEW QUESTION 23

The IR team and the network administrator have successfully handled a malware incident on the network. The team is now preparing countermeasure guideline to avoid a future occurrence of the malware incident.

Which of the following countermeasure(s) should be added to deal with future malware incidents? (Select all that apply)

- A. Complying with the company's security policies
- B. Implementing strong authentication schemes
- C. Implementing a strong password policy
- D. Install antivirus software

**Answer:** D

#### NEW QUESTION 25

Which OSI layer does a Network Interface Card (NIC) work on?

- A. Physical layer
- B. Presentation layer
- C. Network layer
- D. Session layer

**Answer:** A

#### NEW QUESTION 26

Identify the network topology where each computer acts as a repeater and the data passes from one computer to the other in a single direction until it reaches the destination.

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

**Answer:** A

#### NEW QUESTION 29

A company wants to implement a data backup method which allows them to encrypt the data ensuring its security as well as access at any time and from any location. What is the appropriate backup method that should be implemented?

- A. Onsite backup
- B. Hot site backup
- C. Offsite backup
- D. Cloud backup

**Answer:** D

#### NEW QUESTION 30

Management asked Adam to implement a system allowing employees to use the same credentials to access multiple applications. Adam should implement the-----authentication technique to satisfy the management request.

- A. Two-factor Authentication
- B. Smart Card Authentication
- C. Single-sign-on
- D. Biometric

**Answer: C**

#### NEW QUESTION 31

Will is working as a Network Administrator. Management wants to maintain a backup of all the company data as soon as it starts operations. They decided to use a RAID backup storage technology for their data backup plan. To implement the RAID data backup storage, Will sets up a pair of RAID disks so that all the data written to one disk is copied automatically to the other disk as well. This maintains an additional copy of the data. Which RAID level is used here?

- A. RAID 3
- B. RAID 1
- C. RAID 5
- D. RAID 0

**Answer: B**

#### NEW QUESTION 34

Eric is receiving complaints from employees that their systems are very slow and experiencing odd issues including restarting automatically and frequent system hangs. Upon investigating, he is convinced the systems are infected with a virus that forces systems to shut down automatically after period of time. What type of security incident are the employees a victim of?

- A. Scans and probes
- B. Malicious Code
- C. Denial of service
- D. Distributed denial of service

**Answer: B**

#### NEW QUESTION 36

Henry needs to design a backup strategy for the organization with no service level downtime. Which backup method will he select?

- A. Normal backup
- B. Warm backup
- C. Hot backup
- D. Cold backup

**Answer: C**

#### NEW QUESTION 41

Liza was told by her network administrator that they will be implementing IPsec VPN tunnels to connect the branch locations to the main office. What layer of the OSI model do IPsec tunnels function on?

- A. The data link layer
- B. The session layer
- C. The network layer
- D. The application and physical layers

**Answer: C**

#### NEW QUESTION 42

The agency Jacob works for stores and transmits vast amounts of sensitive government data that cannot be compromised. Jacob has implemented Encapsulating Security Payload (ESP) to encrypt IP traffic. Jacob wants to encrypt the IP traffic by inserting the ESP header in the IP datagram before the transport layer protocol header. What mode of ESP does Jacob need to use to encrypt the IP traffic?

- A. He should use ESP in transport mode.
- B. Jacob should utilize ESP in tunnel mode.
- C. Jacob should use ESP in pass-through mode.
- D. He should use ESP in gateway mode

**Answer: B**

#### NEW QUESTION 46

The network admin decides to assign a class B IP address to a host in the network. Identify which of the following addresses fall within a class B IP address range.

- A. 255.255.255.0
- B. 18.12.4.1
- C. 172.168.12.4
- D. 169.254.254.254

**Answer:** C

**NEW QUESTION 50**

What command is used to terminate certain processes in an Ubuntu system?

- A. #grep Kill [Target Process]
- B. #kill-9[PID]
- C. #ps ax Kill
- D. # netstat Kill [Target Process]

**Answer:** C

**NEW QUESTION 55**

David is working in a mid-sized IT company. Management asks him to suggest a framework that can be used effectively to align the IT goals to the business goals of the company. David suggests the \_\_\_\_\_ framework, as it provides a set of controls over IT and consolidates them to form a framework.

- A. RMIS
- B. ITIL
- C. ISO 27007
- D. COBIT

**Answer:** D

**NEW QUESTION 56**

During a security awareness program, management was explaining the various reasons which create threats to network security. Which could be a possible threat to network security?

- A. Configuring automatic OS updates
- B. Having a web server in the internal network
- C. Implementing VPN
- D. Patch management

**Answer:** B

**NEW QUESTION 58**

-----is a group of broadband wireless communications standards for Metropolitan Area Networks (MANs)

- A. 802.15.4
- B. 802.15
- C. 802.12
- D. 802.16

**Answer:** D

**NEW QUESTION 63**

An attacker uses different types of password cracking techniques to crack the password and gain unauthorized access to a system. An attacker uses a file containing a list of commonly used passwords. They then upload this file into the cracking application that runs against the user accounts. Which of the following password cracking techniques is the attacker trying?

- A. Bruteforce
- B. Rainbow table
- C. Hybrid
- D. Dictionary

**Answer:** D

**NEW QUESTION 68**

A VPN Concentrator acts as a bidirectional tunnel endpoint among host machines. What are the other function(s) of the device? (Select all that apply)

- A. Provides access memory, achieving high efficiency
- B. Assigns user addresses
- C. Enables input/output (I/O) operations
- D. Manages security keys

**Answer:** BCD

**NEW QUESTION 73**

Blake is working on the company's updated disaster and business continuity plan. The last section of the plan covers computer and data incidence response. Blake is outlining the level of severity for each type of incident in the plan. Unsuccessful scans and probes are at what severity level?

- A. Extreme severity level
- B. Low severity level
- C. Mid severity level
- D. High severity level

**Answer:** B

**NEW QUESTION 78**

Which VPN QoS model guarantees the traffic from one customer edge (CE) to another?

- A. Pipe Model
- B. AAA model
- C. Hub-and-Spoke VPN model
- D. Hose mode

**Answer:** A

**NEW QUESTION 80**

Smith is an IT technician that has been appointed to his company's network vulnerability assessment team. He is the only IT employee on the team. The other team members include employees from Accounting, Management, Shipping, and Marketing. Smith and the team members are having their first meeting to discuss how they will proceed. What is the first step they should do to create the network vulnerability assessment plan?

- A. Their first step is to analyze the data they have currently gathered from the company or interviews.
- B. Their first step is to make a hypothesis of what their final findings will be.
- C. Their first step is to create an initial Executive report to show the management team.
- D. Their first step is the acquisition of required documents, reviewing of security policies and compliance.

**Answer:** D

**NEW QUESTION 82**

Which of the following network monitoring techniques requires extra monitoring software or hardware?

- A. Non-router based
- B. Switch based
- C. Hub based
- D. Router based

**Answer:** A

**NEW QUESTION 83**

The-----protocol works in the network layer and is responsible for handling the error codes during the delivery of packets. This protocol is also responsible for providing communication in the TCP/IP stack.

- A. RARP
- B. ICMP
- C. DHCP
- D. ARP

**Answer:** B

**NEW QUESTION 88**

Which phase of vulnerability management deals with the actions taken for correcting the discovered vulnerability?

- A. Mitigation
- B. Assessment
- C. Remediation
- D. Verification

**Answer:** C

**NEW QUESTION 90**

Michael decides to view the-----to track employee actions on the organization's network.

- A. Firewall policy
- B. Firewall log
- C. Firewall settings
- D. Firewall rule set

**Answer:** B

**NEW QUESTION 93**

As a network administrator, you have implemented WPA2 encryption in your corporate wireless network. The WPA2's \_\_\_\_\_ integrity check mechanism provides security against a replay attack

- A. CBC-32
- B. CRC-MAC
- C. CRC-32
- D. CBC-MAC

**Answer:** D



#### NEW QUESTION 96

Justine has been tasked by her supervisor to ensure that the company's physical security is on the same level as their logical security measures. She installs video cameras at all entrances and exits and installs badge access points for all doors. The last item she wants to install is a method to prevent unauthorized people piggybacking employees. What should she install to prevent piggybacking?

- A. She should install a mantrap
- B. Justine needs to install a biometrics station at each entrance
- C. Justine will need to install a revolving security door
- D. She should install a Thompson Trapdoor.

**Answer:** A

#### NEW QUESTION 101

Alex is administrating the firewall in the organization's network. What command will he use to check the ports applications open?

- A. Netstat -an
- B. Netstat -o
- C. Netstat -a
- D. Netstat -ao

**Answer:** A

#### NEW QUESTION 102

Frank is a network technician working for a medium-sized law firm in Memphis. Frank and two other IT employees take care of all the technical needs for the firm. The firm's partners have asked that a secure wireless network be implemented in the office so employees can move about freely without being tied to a network cable. While Frank and his colleagues are familiar with wired Ethernet technologies, 802.3, they are not familiar with how to setup wireless in a business environment. What IEEE standard should Frank and the other IT employees follow to become familiar with wireless?

- A. The IEEE standard covering wireless is 802.9 and they should follow this.
- B. 802.7 covers wireless standards and should be followed
- C. They should follow the 802.11 standard
- D. Frank and the other IT employees should follow the 802.1 standard.

**Answer:** C

#### NEW QUESTION 103

John wants to implement a firewall service that works at the session layer of the OSI model. The firewall must also have the ability to hide the private network information. Which type of firewall service is John thinking of implementing?

- A. Application level gateway
- B. Stateful Multilayer Inspection
- C. Circuit level gateway
- D. Packet Filtering

**Answer:** C

#### NEW QUESTION 108

John, the network administrator and he wants to enable the NetFlow feature in Cisco routers to collect and monitor the IP network traffic passing through the router. Which command will John use to enable NetFlow on an interface?

- A. Router(Config-if) # IP route - cache flow
- B. Router# Netmon enable
- C. Router IP route
- D. Router# netflow enable

**Answer:** A

#### NEW QUESTION 110

You are monitoring your network traffic with the Wireshark utility and noticed that your network is experiencing a large amount of traffic from a certain region. You suspect a DoS incident on the network. What will be your first reaction as a first responder?

- A. Avoid Fear, Uncertainty and Doubt
- B. Communicate the incident
- C. Make an initial assessment
- D. Disable Virus Protection

**Answer:** A

#### NEW QUESTION 115

A network is setup using an IP address range of 0.0.0.0 to 127.255.255.255. The network has a default subnet mask of 255.0.0.0. What IP address class is the network range a part of?

- A. Class C
- B. Class A
- C. Class B
- D. Class D



**Answer:** B

**NEW QUESTION 116**

Steven's company has recently grown from 5 employees to over 50. Every workstation has a public IP address and navigated to the Internet with little to no protection. Steven wants to use a firewall. He also wants IP addresses to be private addresses, to prevent public Internet devices direct access to them. What should Steven implement on the firewall to ensure this happens?

- A. Steven should use a Demilitarized Zone (DMZ)
- B. Steven should use Open Shortest Path First (OSPF)
- C. Steven should use IPsec
- D. Steven should enabled Network Address Translation(NAT)

**Answer:** D

**NEW QUESTION 120**

Simon had all his systems administrators implement hardware and software firewalls to ensure network security. They implemented IDS/IPS systems throughout the network to check for and stop any unauthorized traffic that may attempt to enter. Although Simon and his administrators believed they were secure, a hacker group was able to get into the network and modify files hosted on the company's website. After searching through the firewall and server logs, no one could find how the attackers were able to get in. He decides that the entire network needs to be monitored for critical and essential file changes. This monitoring tool alerts administrators when a critical file is altered. What tool could Simon and his administrators implement to accomplish this?

- A. Snort is the best tool for their situation
- B. They can implement Wireshark
- C. They could use Tripwire
- D. They need to use Nessus

**Answer:** C

**NEW QUESTION 125**

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