> **Vendor:** CompTIA

> **Exam Code:** N10-007

> **Exam Name:** CompTIA Network+ N10-007 Certification Exam

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QUESTION 1373
Users are reporting an internal server has potentially been compromised. When visiting the website https://internet.local, users observe a warning that says the site's certificate is not trusted.
Which of the following would allow the users' browsers to trust the website with minimal impact to the users and without compromising security?

A. Switch the web server to use HTTP on port 8080.
B. Email instructions for user to installed the certificate and ignore the warning.
C. Copy the web server's certificate to the local trusted certificate store for each user.
D. Reissue the certificate from a trusted certificate authority.

Answer: A

QUESTION 1374
A user has been reporting issues with connection to all resources. The PC is not getting an IP address and does not report a connection to the LAN. A new Cat 5e cable has been installed between the PC and the jack, but the issue persists. Which of the following should the technician do NEXT?

A. Use a tone generator to trace the cable to the patch panel.
B. Use a crimping tool to replace the RJ45 ends of the patch cable.
C. Connect a physical loopback adapter to the PC's Ethernet jack to test the NIC.
D. Remove the network jack and reconnect cabling.

Answer: A

QUESTION 1375
Which of the following protocols provides the ability for the discovery of neighboring Layer 2 devices on a network?

A. LLDP
B. ICMP
C. LACP
D. RDP

Answer: A

QUESTION 1376
A technician is installing and configuring a SOHO network from a DOCSIS compliant ISP.
Which of the following requires installation at the customer's site?

A. Access point
B. Bridge
C. Firewall
D. Modern

Answer: A

QUESTION 1377
A customer needs to submit a report in order to quality for additional cybersecurity insurance coverage. The customer contacts the network administrator the audit. Which of the following should the administrator use to gather the information for the audit?

A. Bandwidth speed tester
B. Port scanner
C. Spectrum analyzer
D. Vulnerability scanner
E. Patch management

Answer: A

QUESTION 1378
A network manager is reviewing the IP addressing scheme a junior technician created for a new department that has 102 hosts. Using the smallest network possible, which of the following is the correct subnet mask for the new department?

A. 255.255.128.0
B. 255.255.192.0
C. 255.255.255.128.
D. 255.255.255.255.192

Answer: C

QUESTION 1379
A wireless administrator needs to implement an authentication method that provides individualized, scalable security for the users of a WLAN where roaming is a regular event. PKI is not available. Which of the following BEST addresses the requirements of this topology?

A. TLS
B. MAC filtering
C. TKIP-RC4
D. EAP-FAST

Answer: A

QUESTION 1380
A technician who works for a cloud service provider is replacing a firewall and needs to ensure the downtime for clients does not exceed established threshold. Which of the following MOST likely contains this information?

A. Standard operating procedures
B. Performance baseline assessment
C. Service-level agreement
D. Network configuration diagram

Answer: A

QUESTION 1381
A network engineer is troubleshooting an issue after installing a new switch in the datacenter. The cables are not labeled, and the engineer has forgotten into which port the switch plugged. Which of the following should the engineer review to find out this information?

A. Physical diagram
B. Logical diagram
C. Change management documentation
D. Performance baseline documentation

Answer: C

QUESTION 1382
An administrator is working on an email migration project and needs to verify if the new MX records have propagated across public DNS servers. Which of the following is the MOST appropriate software tool for the administrator to use?

A. Iptables
B. Nslookup
C. PathPing
D. netstat

Answer: A

QUESTION 1383
A network engineer is reviewing a construction proposal for improving the roadways on a campus. The engineer needs to determine if any of the fiber infrastructure between the buildings will need to be relocated.
Which of the following will the engineer MOST likely use to make the determination?

A. Logical network topology
B. Network rack diagrams
C. A physical network diagram
D. An MDF diagram

Answer: D

QUESTION 1384
A network technician is troubleshooting a DOCSIS network.
Which of the following devices marks the termination of the ISP's network and the start of the customer's network?

A. Router
B. Hub
C. Modern
D. Switch

Answer: A

QUESTION 1385
A network technician is upgrading a router's firmware. After downloading the file, the technician is instructed to run one of the commands below, obtain the output, and compare it with a value found on the vendor's website. The commands are as follows:

```
generate SHA1 value  <name of the firmware>
generate MD5  value  <name of the firmware>
```

Which of the following procedures was the technician instructed to perform?

A. Verify the integrity of the downloaded file.
B. Verify the file was decompressed.
C. Verify the encryption algorithm of the file.
D. Verify the was scanned against threats

Answer: A

QUESTION 1386
A network administrator would MOST likely use a SIEM for log:

A. aggregation.
B. review.
C. retention,
D. storage.
E. correlation.

Answer: D

QUESTION 1387
A network technician receives a help desk ticket indicating all users at a branch office are having problems connecting to the corporate wireless network, The technician verifies the wireless controller can see the WAPS at this office and they are configured appropriately. After reviewing recently closed tickets, the network technician discovers a software upgrade was implemented to the wireless network at that branch office overnight.
Which of the following is MOST likely the cause of the issue?

A. The office is over capacity.
B. The power levels were reduced.
C. The SSID is incorrect.
D. There Is a security type mismatch.

Answer: D

QUESTION 1388
A network technician is troubleshooting an issue for a user who is having difficulty browsing external websites.
HTTP sites load correctly, but HTTPS sites present a certificate error.
Upon further inspection, the certificate error indicates the website's certificate has expired.
Which of the following is the MOST likely cause?

A. Incorrect system time
B. Untrusted SSL certificate
C. Self-signed SSL certificate
D. Web server configuration

Answer: B

QUESTION 1389
Internal users have been unable to access the web server on a local network that they are to use. qi have been to the help desk, and a technician has decided to apply the following commands to the equipment:
```
access-list 103 permit tcp any any eq 80
access-list 103 permit tcp any any eq 443
access-list 103 deny ip any any
```
On which of the following devices would the technician apply these commands?

A. Switch
B. Modem

C. Border router
D. Bridge
E. PDU

Answer: E

QUESTION 1390
A technician needs to manage equipment using either an IP address or a serial port. There is a pair of copper wires from the management center to the location of the equipment. Which of the following networking devices should be used to successfully communicate to the equipment?

A. Modem
B. Wireless access point
C. Bridge
D. Switch

Answer: D

QUESTION 1391
An office network consists of one two-port router connected to a 12-port switch. A four-port hub is also connected to the switch. On this particular network, which of the following is the number of collision domains that exist?

A. 3
B. 12
C. 13
D. 14
E. 15

Answer: B

QUESTION 1392
A company's information security team has requested that wireless devices connect using wireless security that utilizes block-cipher encryption for data in transit. Which of the following wireless security mechanisms should be configured?

A. TKIP-RC4
B. PEAP
C. WPA2
D. EAP-TLS

Answer: D

QUESTION 1393
The IT director has requested that systems administrators be able to RDP to their servers. Internal users should not be able to access external websites that do not use HTTPS. The network technician implements the following ruleset:
```
10 permit tcp 192.168.1.0 0.0.0.255 192.168.10.0 0.0.0.255 eq 3389
20 deny tcp 192.168.1.0 0.0.0.255 any eq 80
30 permit tcp 192.168.1.0 0.0.0.255 any eq 443
40 permit tcp 192.168.1.0 0.0.0.255 192.168.10.0 0.0.0.255 eq 80
50 deny ip any any
```
After implementing this change, users on the 192.168.1.0/24 subnet begin reporting they can no longer access internal servers,
Which of the following should the network technician do to correct the issue and satisfy the director's request?

A. Move line 20 to appear after line 40.
B. Move line 30 to appear before line 10.

C. Remove line 40.
D. Remove line 50.

Answer: A

QUESTION 1394
Which of the following DNS records would a technician need to update after migrating an organization's email server to a cloud-hosting provider?

A. TXT
B. CNAME
C. AAAA
D. Mx

Answer: D

QUESTION 1395
A recent audit found that passwords are being sent in a cleartext manner during CLI authentication. The network team has been tasked to manage all network devices using secure methods. Which of the following will the network team MOST likely enable on the network devices?

A. SSH
B. SFTP
C. HTTPS
D. SNMP

Answer: A

QUESTION 1396
A company wants to inspect secure web traffic from users within the network. All the company's internal devices have trusted certificates installed. Which of the following should the company implement?

A. A load balancer
B. ADNS server
C. A proxy server
D. A Layer 3 switch

Answer: B

QUESTION 1397
A network administrator needs to provide authentication servers for a company's network switches. The switches use RADIUS to authenticate authorized users and need to be available 24/7. Which of the following would be the BEST method for meeting these goals?

A. Implement server NIC teaming.
B. Take frequent snapshots of the server.
C. Use load-balanced servers.
D. Deploy a warm site.

Answer: A

QUESTION 1398
An engineer is rebooting a remote server after applying monthly patches. The patches are large and may take the server down for up to 20 minutes. The engineer wants to know exactly when the server comes up. The server's static IP address is 192.10.10.54. Which of the following commands can the engineer issue to accomplish this task?

A. ping -t 192.10.10.54
B. tracert -D 192.10.10.54
C. arp ~a 192.10.10.54
D. nslookup 192.10.10.54

Answer: B

QUESTION 1399
A company wants to implement a large number of WAPs throughout its building and allow users to be able to move around the building without dropping their connections. Which of the following pieces of equipment would be able to handle this requirement?

A. A VPN concentrator
B. A load balancer
C. A wireless controller
D. A RADIUS server

Answer: A

QUESTION 1400
A network administrator is troubleshooting a connectivity issue to a remote switch. The administrator suspects the settings on the switch have been changed, causing the issue. Which of the following should the administrator reference to confirm the change?

A. Configuration baseline
B. Network SOP
C. Rack diagrams
D. Inventory management

Answer: A

QUESTION 1401
A network technician is setting up a newly installed Internet connection at a SOHO that will support up to ten devices on the network. The company is required to provide its own router to connect to the internet. The ISP has assigned an IP address of 173.28.199.67/32 to the office. Which of the following does the network technician need to perform to ensure all devices on the network can access the Interne?

A. Configure the local machines to get an IP address from the ISP automatically.
B. Configure each host with a static IP address within the 173.28.199.0 block.
C. Configure the router's static IP and create a NAT for the local network address of 10.10.10.0/24,
D. Configure each host to use its link local addresses for network discovery.

Answer: C

QUESTION 1402
Which of the following utilizes a circuit-switched network?

A. Satellite
B. PPPoE
C. Wireless
D. MPLS
E. Frame relay

Answer: E

QUESTION 1403
Which of the following allows for connectionless communications?

A. TGP
B. MAG
C. UDP
D. IF

Answer: A

QUESTION 1404
A systems administrator has received a new appliance to monitor the health and status of internal servers that are not located in the organization's DMZ, The monitored servers are secured and restricted for specific use cases. The systems administrator activates email alerts for when a status exceeds a certain threshold. However, during testing, emails are not reaching the recipients as expected. The systems administrator has confirmed the messages are queued in the appliance. Which of the following would be the MOST likely cause of the issue?

A. A SNMP is not allowed on the network.
B. SMTP is blocked outbound at the firewall.
C. MX records are not configured properly.
D. The mail daemon is not running on the appliance

Answer: B

QUESTION 1405
A company recently experienced a breach that brought its business to a halt. An attacker was able to access its internal systems, run elevated commands to retrieve sensitive data, and then remove critical OS files. The company wants to stop such attacks in the future. Which of the following should a technician recommend?

A. IDS
B. ICS
C. ISDN
D. IDF
E. IPS

Answer: E

QUESTION 1406
A network technician needs to manage a sensor at an unmanned location without incurring the cost of a dedicated Internet connection. Which of the following will the technician MOST likely implement?

A. A dial-up modem
B. An SSH server
C. Asite-to-site VPN
D. An RDP jump box

Answer: C

QUESTION 1407
A network administrator has been to install a device that will protect the company's network from external threats and also create a separate network that can be accessible from the internet while still protecting the core infrastructure. Which of the following network devices would meet this requirement?

A. Hypervisor

B. Load balancer
C. Multilayer switch
D. UTM appliance

Answer: A

QUESTION 1408
Joe, a user, needs to utilize a laptop in a conference room When he moves the laptop from his desk and connects it to the conference room port, he does not receive a connection There are no link lights on the laptop. Which of the following is the MOST likely reason Joe has not received a connection?

A. 202.1x
B. NAC
C. Sticky MAC
D. VLAN assignment

Answer: A

QUESTION 1409
Which of the following DNS records would a network technician create to connect to a server by its hostname?

A. PTR
B. TxT
C. A
D. SPF

Answer: B