CompTIA Network+ v1.0 (N10-008) - Full Access

Question 1 (Single Topic)	
A systems administrator needs to improve WiFi performance in a densely populated office tower and use the latest standard. There is a mix of devices that use 2.4 GHz and 5 GHz. Which of the following should the systems administrator select to meet this requirement?	
A. 802.11ac B. 802.11ax C. 802.11g	
D. 802.11n	
Answer : B	
Question 2 (Single Topic)	
Which of the following would be BEST to use to detect a MAC spoofing attack?	
 A. Internet Control Message Protocol B. Reverse Address Resolution Protocol C. Dynamic Host Configuration Protocol 	
D. Internet Message Access Protocol	
Answer : B	
Question 3 (Single Topic)	
A technician receives feedback that some users are experiencing high amounts of jitter while using the wireless network. While troubleshooting the network, the technician uses the ping command with the IP address of the default gateway and verifies large variations in latency. The technician thinks the issue may be interference from other networks and non-802.11 devices. Which of the following tools should the technician uses to troubleshoot the issue?	3
A. NetFlow analyzer B. Bandwidth analyzer	
C. Protocol analyzer D. Spectrum analyzer	
Answer : D	
Question 4 (Single Topic)	
Wireless users are reporting intermittent internet connectivity. Connectivity is restored when the users disconnect and reconnect, utilizing the web authentication process each time. The network administrator can see the devices connected to the APs at all times. Which of the following steps will MOST likely determine the cause of the issue?	
 A. Verify the session time-out configuration on the captive portal settings B. Check for encryption protocol mismatch on the clientt€TMs wireless settings C. Confirm that a valid passphrase is being used during the web authentication D. Investigate for a clientt€TMs disassociation caused by an evil twin AP 	
Answer : A	

A network administrator walks into a datacenter and notices an unknown person is following closely. The administrator stops and directs the person to the security desk. Which of the following attacks did the network administrator prevent?

A. Evil twin
B. Tailgating
C. Piggybacking
D. Shoulder surfing

Answer : B

Question 6 (Single Topic)

SIMULATION -

You have been tasked with setting up a wireless network in an office. The network will consist of 3 Access Points and a single switch. The network must meet the following parameters:

↔ The SSIDs need to be configured as CorpNet with a key of S3cr3t!

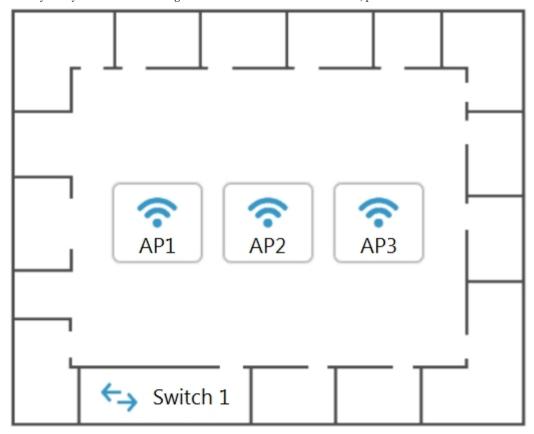
⇔ The wireless signals should not interfere with each other

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INSTRUCTONS -

Click on the wireless devices and review their information and adjust the settings of the access points to meet the given requirements. If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



192.168.1.2 Speed: Auto Duplex: Auto

AP1 Configuration		×
00 C https://	ap1.setup.do	
 Basic Configuratio 	n	
Access Point Name	AP1	
IP Address		/
Gateway	192.168.1.1	
SSID		
SSID Broadcast	🔹 Yes 💿 No	
Wireless		Wired
Mode	•	Speed Auto 100 1000
	B	
	G	
Channel	*	Duplex Auto Half Full
	1	
	3	
	5	
	6	
	7 8	
	9	
	10	
	11	
 Security Configura 	ation	
Security Settings	None WEP	WPA WPA2 WPA2 - Enterprise
Key or Passphrase		
Reset to Default		Save Close

AP2 Configuration		
30 📿 https://	ap2.setup.do	
Basic Configuratio		
Access Point Name		
	AFZ	
IP Address		/
Gateway	192.168.1.1	
SSID		
SSID Broadcast	Yes No	
Wireless		Wired
Mode		Speed Auto 100 1000
	В	
	G	
Channel	٠	Duplex Auto Half Full
	1	
	3	
	4 5	
	6	
	7 8	
	9	
	10 11	
 Security Configura 		
		• WPA • WPA2 • WPA2 - Enterprise
Key or Passphrase		
Develop D. C. K		
Reset to Default		Save Close

AP3 Configuration		
G O C https://	ap3.setup.do	
Basic Configuratio	n	
Access Point Name	AP3	
IP Address		1
Gateway	192.168.1.1	
SSID		
SSID Broadcast	• Yes 💿 No	
Wireless		Wired
Mode	•	Speed Auto 100 1000
	B G	
	9	
Channel	1	Duplex Auto Half Full
	2	
	3	
	5	
	6	
	7 8	
	9	
	10	
	11	
 Security Configura 	ation	
Security Settings	None WEP	WPA WPA2 WPA2 - Enterprise
Key or Passphrase		
Reset to Default		Save Close

Answer : See explanation below.

On the first exhibit, the layout should be as follows

Access Point Name AP1 -

IP Address 192.168.1.3 -

Gateway 192.168.1.2 -

SSID corpnet -

SSID Broadcast yes -

Mode G -

Channel 1 -

Speed Auto -

Duplex Auto -

WPA -Passphrase S3cr3t!

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Exhibit 2 as follows -	
Access Point Name AP2 -	
IP Address 192.168.1.4 -	
Gateway 192.168.1.2 -	
SSID corpnet -	
SSID Broadcast yes -	
Mode G -	
Channel 6 -	
Speed Auto -	
Duplex Auto -	
WPA - Passphrase S3cr3t!	
Exhibit 3 as follows -	
Access Point Name AP3 -	
IP Address 192.168.1.5 -	
Gateway 192.168.1.2 -	
SSID corpnet -	
SSID Broadcast yes -	
Mode G -	
Channel 11 -	
Speed Auto -	
Duplex Auto -	
WPA - Passphrase S3cr3t!	

A network is experiencing a number of CRC errors during normal network communication. At which of the following layers of the OSI model will the administrator MOST likely start to troubleshoot?

A. Layer 1 B. Layer 2 C. Layer 3 D. Layer 4 E. Layer 5 F. Layer 6 G. Layer 7

Answer : B

Question 8 (Single Topic)



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A client recently added 100 users who are using VMs. All users have since reported slow or unresponsive desktops. Reports show minimal network congestion, zero packet loss, and acceptable packet delay. Which of the following metrics will MOST accurately show the underlying performance issues? (Choose two.)

A. CPU usage

B. Memory C. Temperature

D. Bandwidth

E. Latency

F. Jitter

Question 9 (Single Topic)

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Client devices cannot enter a network, and the network administrator determines the DHCP scope is exhausted. The administrator wants to avoid creating a new DHCP pool. Which of the following can the administrator perform to resolve the issue?

A. Install load balancersB. Install more switchesC. Decrease the number of VLANsD. Reduce the lease time

Answer : D ,, ^{ké} Question 10 (Single Topic) An administrator is writing a script to periodically log the IPv6 and MAC addresses of all the devices on a network segment. Which of the following switch features will MOST likely be used to assist with this task? A. Spanning Tree Protocol B. Neighbor Discovery Protocol C. Link Aggregation Control Protocol D. Address Resolution Protocol Answer : B ×K Question 11 (Single Topic) Which of the following DNS records works as an alias to another record? A. AAAA B. CNAME C. MX D. SOA Answer : B $\mathbf{x}^{\mathbf{k}}$ Question 12 (Single Topic) A company built a new building at its headquarters location. The new building is connected to the company's LAN via fiber-optic cable. Multiple users in the new building are unable to access the company's intranet site via their web browser, but they are able to access internet sites. Which of the following describes how the network administrator can resolve this issue? A. Correct the DNS server entries in the DHCP scope B. Correct the external firewall gateway address C. Correct the NTP server settings on the clients D. Correct a TFTP Issue on the company <code>\$C^TM\$</code>s server Answer : A × Question 13 (Single Topic) A technician is installing a new fiber connection to a network device in a datacenter. The connection from the device to the switch also traverses a patch panel connections is in the following order: □ Device ⇔ LC/LC patch cable ⊸ Patch panel \Rightarrow Cross-connect fiber cable ⇔ Patch panel ⇔ LC/LC patch cable ⇔ Switch The connection is not working. The technician has changed both patch cables with known working patch cables. The device had been tested and was working properly before being installed. Which of the following is the MOST likely cause of the issue? A. TX/RX is reversed

B. An incorrect cable was used

C. The device failed during installation

D. Attenuation is occurring

Question 14 (Single Topic)

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A technician is searching for a device that is connected to the network and has the device's physical network address. Which of the following should the technician review on the switch to locate the device's network port?

A. IP route table B. VLAN tag C. MAC table D. QoS tag

Answer : C



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Which of the following provides redundancy on a file server to ensure the server is still connected to a LAN even in the event of a port failure on a switch?

A. NIC teaming B. Load balancer C. RAID array D. PDUs

Answer : A

Question 16 (Single Topic)

An IT organization needs to optimize speeds for global content distribution and wants to reduce latency in high-density user locations. Which of the following technologies BEST meets the organization's requirements?

A. Load balancing

- B. Geofencing
- C. Public cloud D. Content delivery network
- E. Infrastructure as a service

Answer : D

Question 17 (Single Topic)

A user reports being unable to access network resources after making some changes in the office. Which of the following should a network technician do FIRST?

A. Check the system $\mathbb{C}^{\text{\tiny TM}}$ s IP address

- B. Do a ping test against the servers
- C. Reseat the cables into the back of the PC
- D. Ask what changes were made

Answer : D

Question 18 (Single Topic)

A new cabling certification is being requested every time a network technician rebuilds one end of a Cat 6 (vendor-certified) cable to create a crossover connection that is used to connect switches. Which of the following would address this issue by allowing the use of the original cable?

A. CSMA/CD B. LACP C. PoE+ D. MDIX

Answer : D

Question 19 (Single Topic)

A company hired a technician to find all the devices connected within a network. Which of the following software tools would BEST assist the technician in completing this task?

A. IP scanner B. Terminal emulator

C. NetFlow analyzer D. Port scanner	
Answer : A	
Question 20 (Single Topic)	, and the
A technician is installing a high-density wireless network and wants to use an available frequency that supports the maximum number of channels to reduce interference. Which of the following standard frequency ranges should the technician look for while reviewing WAP specifications?	rd 802.11
A. 2.4GHz B. 5GHz C. 6GHz D. 900MHz	

Answer : B
Question 21 (Single Topic)
A technician is configuring a network switch to be used in a publicly accessible location. Which of the following should the technician configure on the switch to prevent unintended connections?
A. DHCP snooping B. Geofencing C. Port security D. Secure SNMP
Answer : C
Question 22 (Single Topic)
Which of the following is used to track and document various types of known vulnerabilities?
A. CVE B. Penetration testing C. Zero-day D. SIEM E. Least privilege
Answer : A
Question 23 (Single Topic)
The network administrator is informed that a user's email password is frequently hacked by brute-force programs. Which of the following policies should the network administrator implements to BEST mitigate this issue? (Choose two.)
A. Captive portal B. Two-factor authentication C. Complex passwords D. Geofencing E. Role-based access F. Explicit deny
Answer : BC

Question 24 (Single Topic)

A network engineer performs the following tasks to increase server bandwidth: \bigcirc Connects two network cables from the server to a switch stack

⇔ Configure LACP on the switchports Verifies the correct configurations on the switch interfaces

Which of the following needs to be configured on the server?

A. Load balancing B. Multipathing C. NIC teaming D. Clustering

Question 25 (Single Topic)	
A network technician is manually configuring the network settings for a new device and is told the network block is 192.168.0.0/20. Which of the following subnets should the technician use?	
A. 255.255.128.0 B. 255.255.192.0 C. 255.255.240.0 D. 255.255.248.0	
Answer : C	

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Question 26 (Single Topic)

Which of the following is the LARGEST MTU for a standard Ethernet frame?

A. 1452 B. 1492 C. 1500 D. 2304

Answer : C

Question 27 (Single Topic)

Given the following information:

Protocol	Local address	Foreign address	State
TCP	127.0.0.1:57779	Desktop-Open:57780	Established
TCP	127.0.0.1:57780	Desktop-Open: 57779	Established

Which of the following command-line tools would generate this output?

A. netstat

B. arp

C. dig

D. tracert

Answer : A

Question 28 (Single Topic)

According to troubleshooting methodology, which of the following should the technician do NEXT after determining the most likely probable cause of an issue?

A. Establish a plan of action to resolve the issue and identify potential effects

B. Verify full system functionality and, if applicable, implement preventive measures

C. Implement the solution or escalate as necessary

D. Test the theory to determine the cause

Answer : D

Question 29 (Single Topic)

Which of the following BEST describes a network appliance that warns of unapproved devices that are accessing the network?

A. Firewall B. AP C. Proxy server D. IDS

Answer: D





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A technician is installing a cable modem in a SOHO. Which of the following cable types will the technician MOST likely use to connect a modem to the ISP?

A. Coaxial
B. Single-mode fiber
C. Cat 6e
D. Multimode fiber

Answer: A

Question 31 (Single Topic)



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A network technician is reviewing the interface counters on a router interface. The technician is attempting to confirm a cable issue. Given the following information:

Metric	Value
Last cleared	7 minutes, 34 seconds
# of packets output	6915
# of packets input	270
CRCs	183
Giants	0
Runts	0
Multicasts	14

Which of the following metrics confirms there is a cabling issue?

A. Last cleared

B. Number of packets output

C. CRCs

D. Giants

E. Multicasts

Answer : C

Question 32 (Single Topic)

Which of the following is the physical topology for an Ethernet LAN?

A. Bus

B. Ring

C. Mesh

D. Star

Answer : D

Question 33 (Single Topic)

An IT director is setting up new disaster and HA policies for a company. Limited downtime is critical to operations. To meet corporate requirements, the director set up two different datacenters across the country that will stay current on data and applications. In the event of an outage, the company can immediately switch from one datacenter to another. Which of the following does this BEST describe?

A. A warm siteB. Data mirroringC. MultipathingD. Load balancing

E. A hot site

Answer : E

Question 34 (Single Topic)

The management team needs to ensure unnecessary modifications to the corporate network are not permitted and version control is maintained. Which of the following documents would BEST support this?

A. An incident response plan

B. A business continuity plan

C. A change management policy

D. An acceptable use policy



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Question 35 (Single Topic)

Which of the following is MOST likely to generate significant East-West traffic in a datacenter?

A. A backup of a large video presentation to cloud storage for archival purposesB. A duplication of a hosted virtual server to another physical server for redundancyC. A download of navigation data to a portable device for offline accessD. A query from an IoT device to a cloud-hosted server for a firmware update

Answer : B

Question 36 (Single Topic)



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A technician is troubleshooting a network switch that seems to stop responding to requests intermittently whenever the logging level is set for debugging. Which of the following metrics should the technician check to begin troubleshooting the issue?

A. Audit logs B. CPU utilization C. CRC errors D. Jitter

Answer : B

Question 37 (Single Topic)

A technician wants to deploy a new wireless network that comprises 30 WAPs installed throughout a three-story office building. All the APs will broadcast the same SSID for client access. Which of the following BEST describes this deployment?

A. Extended service set

B. Basic service set

C. Unified service set

D. Independent basic service set

Answer : A

Question 38 (Single Topic)

A user tries to ping 192.168.1.100 from the command prompt on the 192.168.2.101 network but gets the following response: U.U.U.U. Which of the following needs to be configured for these networks to reach each other?

A. Network address translation B. Default gateway C. Loopback D. Routing protocol

Answer : B

Question 39 (Single Topic)

A branch of a company recently switched to a new ISP. The network engineer was given a new IP range to assign. The ISP assigned 196.26.4.0/26, and the branch gateway router now has the following configurations on the interface that peers to the ISP:

IP address:	196.26.4.30
Subnet mask:	255.255.255.224
Gateway:	196.24.4.1

The network engineer observes that all users have lost Internet connectivity. Which of the following describes the issue?

A. The incorrect subnet mask was configured B. The incorrect gateway was configured

C. The incorrect IP address was configured

D. The incorrect interface was configured

Answer : A

Question 40 (Single Topic)

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Within the realm of network security, Zero Trust:

A. prevents attackers from moving laterally through a system.B. allows a server to communicate with outside networks without a firewall.C. block malicious software that is too new to be found in virus definitions.D. stops infected files from being downloaded via websites.

Answer : C

Question 41 (Single Topic)

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Which of the following service models would MOST likely be used to replace on-premises servers with a cloud solution?

A. PaaS B. IaaS C. SaaS

D. Disaster recovery as a Service (DRaaS)

Answer : B

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Question 42 (Single Topic)

Which of the following factors should be considered when evaluating a firewall to protect a datacenter's east-west traffic?

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A. Replication traffic between an on-premises server and a remote backup facility

B. Traffic between VMs running on different hosts

C. Concurrent connections generated by Internet DDoS attacks

D. VPN traffic from remote offices to the datacenterx€™s VMs

Answer : A

Question 43 (Single Topic)

SIMULATION -

You are tasked with verifying the following requirements are met in order to ensure network security.

Requirements:

 \Rightarrow Datacenter

- Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage
- Provide a dedicated server to resolve IP addresses and hostnames correctly and handle port 53 traffic

⇔ Building A

- Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage
- Provide devices to support 5 additional different office users
- Add an additional mobile user
- Replace the Telnet server with a more secure solution

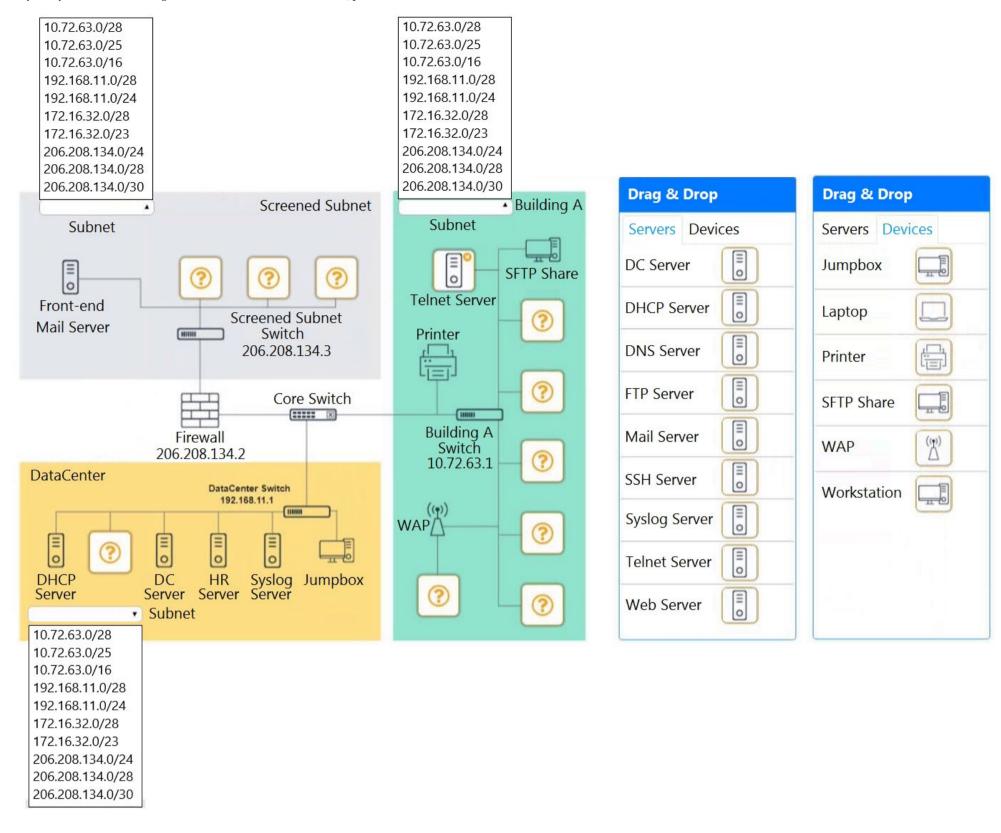
⇔ Screened subnet

- Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage
- Provide a server to handle external 80/443 traffic
- Provide a server to handle port 20/21 traffic

INSTRUCTIONS -

Drag and drop objects onto the appropriate locations. Objects can be used multiple times and not all placeholders need to be filled.

Available objects are located in both the Servers and Devices tabs of the Drag & Drop menu. If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



Answer : See explanation below.

Top left subnet 206.208.134.0/28 " \mathfrak{C}_{λ} Top right subnet 10.72.63.0/28 " \mathfrak{C}_{λ} Bottom subnet 192.168.11.0/28 " \mathfrak{C}_{λ} Screened Subnet devices $\mathfrak{L}^{\mathbb{C}}$ " Web server, FTP server Building A devices $\mathfrak{L}^{\mathbb{C}}$ " SSH server top left, workstations on all 5 on the right, laptop on bottom left DataCenter devices $\mathfrak{L}^{\mathbb{C}}$ " DNS server.

Question 44 (Single Topic)

Which of the following is used to prioritize Internet usage per application and per user on the network?

C. Border Gateway Protocol D. Administrative distance	
Answer : A	
Question 45 (Single Topic)	* *
A network administrator needs to query the NSs for a remote application. Which of the following commands would BEST help the administrator accomplish this task? A. dig B. arp C. show interface D. hostname	

Answer : A

Question 46 (Single Topic)

Which of the following would MOST likely be used to review previous upgrades to a system?

- A. Business continuity plan
- B. Change management
- C. System life cycle
- D. Standard operating procedures

Answer: B

Question 47 (Single Topic)

A technician is deploying a new switch model and would like to add it to the existing network monitoring software. The technician wants to know what metrics can be gathered from a given switch. Which of the following should the technician utilize for the switch?

A. MIB B. Trap C. Syslog

D. Audit log

Answer : A

Question 48 (Single Topic)

A network device is configured to send critical events to a syslog server; however, the following alerts are not being received: Severity 5 LINK-UPDOWN: Interface 1/1, changed state to down Severity 5 LINK-UPDOWN: Interface 1/3, changed state to down Which of the following describes the reason why the events are not being received?

A. The network device is not configured to log that level to the syslog server

B. The network device was down and could not send the event

C. The syslog server is not compatible with the network device

D. The syslog server did not have the correct MIB loaded to receive the message

Answer : A

Question 49 (Single Topic)

A network administrator is implementing OSPF on all of a company's network devices. Which of the following will MOST likely replace all the company's hubs?

A. A Layer 3 switch B. A proxy server C. A NGFW D. A WLAN controller

Answer : A



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A network administrator discovers that users in an adjacent building are connecting to the company's guest wireless network to download inappropriate material. Which of the following can the administrator do to MOST easily mitigate this issue?

A. Reduce the wireless power levelsB. Adjust the wireless channelsC. Enable wireless client isolationD. Enable wireless port security

Answer : A

Question 51 (Single Topic)

A network administrator is designing a new datacenter in a different region that will need to communicate to the old datacenter with a secure connection. Which of the following access methods would provide the BEST security for this new datacenter?

A. Virtual network computing B. Secure Socket Shell

C. In-band connection
D Site_to_site VPN

An attacker is attempting to find the password to a network by inputting common words and phrases in plaintext to the password prompt. Which of the following attack types BEST describes this action?

A. Pass-the-hash attack B. Rainbow table attack C. Brute-force attack D. Dictionary attack

Answer : D

Question 53 (Single Topic)

Which of the following technologies provides a failover mechanism for the default gateway?

A. FHRP B. LACP C. OSPF D. STP

Answer : A

Question 54 (Single Topic)

The following configuration is applied to a DHCP server connected to a VPN concentrator:

IP address:	10.0.0.1
Subnet mask:	255.255.255.0
Gateway:	10.0.0.254

There are 300 non-concurrent sales representatives who log in for one hour a day to upload reports, and 252 of these representatives are able to connect to the VPN without any Issues. The remaining sales representatives cannot connect to the VPN over the course of the day. Which of the following can be done to resolve the issue without utilizing additional resources?

A. Decrease the lease duration B. Reboot the DHCP server

C. Install a new VPN concentrator

D. Configure a new router

Answer : A

Question 55 (Single Topic)

A technician needs to configure a Linux computer for network monitoring. The technician has the following information: Linux computer details:

Interface	IP address	MAC address
eth0	10.1.2.24	A1:B2:C3:F4:E5:D6

Switch mirror port details:



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Interface	IP address	MAC address
eth1	10.1.2.3	A1:B2:C3:D4:E5:F6

After connecting the Linux computer to the mirror port on the switch, which of the following commands should the technician run on the Linux computer?

A. ifconfig ectho promisc B. ifconfig eth1 up C. ifconfig etho 10.1.2.3 D. ifconfig eth1 hw ether A1:B2:C3:D4:E5:F6

Answer : A

Question 56 (Single Topic)

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A network engineer is investigating reports of poor network performance. Upon reviewing a device configuration, the engineer finds that duplex settings are mismatched on both ends. Which of the following would be the MOST likely result of this finding?

- A. Increased CRC errors
- B. Increased giants and runts
- C. Increased switching loops

D. Increased device temperature

Answer : A

Question 57 (Single Topic)

Which of the following devices would be used to manage a corporate WLAN?

A. A wireless NAS B. A wireless bridge C. A wireless router D. A wireless controller

Answer : D

Question 58 (Single Topic)

Which of the following types of devices can provide content filtering and threat protection, and manage multiple IPSec site-to-site connections?

A. Layer 3 switch

B. VPN headend

C. Next-generation firewall

D. Proxy server

E. Intrusion prevention

Answer : C

Question 59 (Single Topic)

An engineer notices some late collisions on a half-duplex link. The engineer verifies that the devices on both ends of the connection are configured for half duplex. Which of the following is the MOST likely cause of this issue?

A. The link is improperly terminated

B. One of the devices is misconfigured

C. The cable length is excessive

D. One of the devices has a hardware issue

Answer : C

Question 60 (Single Topic)

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A network administrator is configuring a load balancer for two systems. Which of the following must the administrator configure to ensure connectivity during a failover?

A. VIP B. NAT C. APIPA D. IPv6 tunneling E. Broadcast IP

Question 61 (Single Topic)



A technician is troubleshooting a wireless connectivity issue in a small office located in a high-rise building. Several APs are mounted in this office. The users report that the network connections frequently disconnect and reconnect throughout the day. Which of the following is the MOST likely cause of this issue?

A. The AP association time is set too lowB. EIRP needs to be boostedC. Channel overlap is occurringD. The RSSI is misreported

Answer: B

Question 62 (Single	Topic)				, and the second se
	gured new firewalls with the correct or ork engineer perform NEXT to ensur-		h remote branch. Unneeded services we ccessfully?	ere disabled, and all firewall rules wer	e applied successfully. Which of the
C. Update the firewalls wi	nit rule is enabled ags on the firewalls to the central syslo th current firmware and software passwords on all firewalls	og server			
Answer : C					
Question 63 (Single	Topic)				, *
At which of the following	OSI model layers would a technician	ind an IP header?			
A. Layer 1 B. Layer 2 C. Layer 3 D. Layer 4					
Answer : C					
Question 64 (Single	Topic)				×
An engineer is configuring	g redundant network links between sv	vitches. Which of the following sho	ould the engineer enable to prevent net	work stability issues?	
A. 802.1Q B. STP C. Flow control D. CSMA/CD					
Answer : B					
Question 65 (Single	Topic)				×
Several WIFI users are re findings after a site surve		network. WLAN users on the gues	st network are able to access all network	resources without any performance	issues. The following table summarizes the
Location	AP 1	AP 2	AP 3	AP 4	
SSID	Corp1	Corp1	Corp1/Guest	Corp1/Guest	
Channel	2	1	5	11	
RSSI	-81dBm	-82dBm	-44dBm	-41dBm	

Which of the following should a wireless technician do NEXT to troubleshoot this issue?

Omni

Omni

A. Reconfigure the channels to reduce overlap B. Replace the omni antennas with directional antennas

C. Update the SSIDs on all the APs

Antenna type

D. Decrease power in AP 3 and AP 4

Question 66 (Single Topic)	بملجر
Which of the following routing protocols is used to exchange route information between public autonomous systems?	
A. OSPF B. BGP C. EIGRP D. RIP	
Answer : B	

Directional

Directional

Question 67 (Single Topic)	, 1 4
A fiber link connecting two campus networks is broken. Which of the following tools should an engineer use to detect the exact break point of the fiber link?	
A. OTDR	
B. Tone generator	
C. Fusion splicer	
D. Cable tester E. PoE injector	
E. FOE Injector	
Answer : A	
Question 68 (Single Topic)	*
Which of the following can be used to centrally manage credentials for various types of administrative privileges on configured network devices?	
A. SSO	
B. TACACS+	
C. Zero Trust D. Separation of duties	
E. Multifactor authentication	
Answer : B	
Question 69 (Single Topic)	_ K
A network technician is installing new software on a Windows-based server in a different geographical location. Which of the following would be BEST for the technician to use to perform this task?	
A. RDP B. SSH	
C. FTP	
D. DNS	
Answer : A	
Question 70 (Single Topic)	, x K
Branch users are experiencing issues with videoconferencing. Which of the following will the company MOST likely configure to improve performance for these applications?	
A. Link Aggregation Control Protocol	
B. Dynamic routing	
C. Quality of service	
D. Network load balancer E. Static IP addresses	
Answer : C	
Question 71 (Single Topic)	,

A technician is assisting a user who cannot connect to a network resource. The technician first checks for a link light. According to troubleshooting methodology, this is an example of:

C. documenting a finding.	
D. questioning the obvious.	
Answer : D	
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Question 72 (Single Topic)	_ ¥
Question 72 (Single Topic)	× ⁶⁶
	7 ⁴⁶
Question 72 (Single Topic) Which of the following transceiver types can support up to 40Gbps?	* K
Which of the following transceiver types can support up to 40Gbps?	بلا
Which of the following transceiver types can support up to 40Gbps? A. SFP+ B. QSFP+	ж ^К
Which of the following transceiver types can support up to 40Gbps? A. SFP+ B. QSFP+ C. QSFP	ж ^К
Which of the following transceiver types can support up to 40Gbps? A. SFP+ B. QSFP+	ж ^К
Which of the following transceiver types can support up to 40Gbps? A. SFP+ B. QSFP+ C. QSFP	7
Which of the following transceiver types can support up to 40Gbps? A. SFP+ B. QSFP+ C. QSFP	7 4

Answer: B <mark>,</mark>К Question 73 (Single Topic) Which of the following TCP ports is used by the Windows OS for file sharing? A. 53 B. 389 C. 445 D. 1433 Answer : C ×K Question 74 (Single Topic) A network administrator redesigned the positioning of the APs to create adjacent areas of wireless coverage. After project validation, some users still report poor connectivity when their devices maintain an association to a distanced AP. Which of the following should the network administrator check FIRST? A. Validate the roaming settings on the APs and WLAN clients B. Verify that the AP antenna type is correct for the new layout C. Check to see if MU-MIMO was properly activated on the APs D. Deactivate the 2.4GHz band on the APS Answer : A ×K Question 75 (Single Topic) Which of the following connector types would have the MOST flexibility? A. SFP B. BNC C. LC D. RJ45 Answer : A AK. Question 76 (Single Topic) Which of the following ports is commonly used by VoIP phones? A. 20 B. 143 C. 445 D. 5060 Answer : D× Question 77 (Single Topic)

A network engineer is investigating reports of poor network performance. Upon reviewing a report, the engineer finds that jitter at the office is greater than 10ms on the only WAN connection available. Which of the following would be MOST affected by this statistic?

A. A VoIP sales call with a customer B. An in-office video call with a coworker C. Routing table from the ISP D. Firewall CPU processing time

Answer : A

Question 78 (Single Topic)



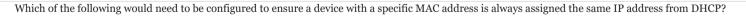
A network technician needs to ensure outside users are unable to telnet into any of the servers at the datacenter. Which of the following ports should be blocked when checking firewall configuration?

A. 22 B. 23 C. 80 D. 3389

E. 8080

Answer : B
Question 79 (Single Topic)
A technician is writing documentation regarding a company's server farm. The technician needs to confirm the server name for all Linux servers. Which of the following commands should the technician run? A. ipconfig B. nslookup C. arp D. route
Answer : B
Question 80 (Single Topic)
A technician is connecting multiple switches to create a large network for a new office. The switches are unmanaged Layer 2 switches with multiple connections between each pair. The network is experiencing an extreme amount of latency. Which of the following is MOST likely occurring? A. Ethernet collisions B. A DDoS attack C. A broadcast storm D. Routing loops
Answer : C
Question 81 (Single Topic) A store owner would like to have secure wireless access available for both business equipment and patron use. Which of the following features should be configured to allow different wireless access through the same
A store owner would like to have secure whereas access available for both busiless equipment and parton use. Which of the following features should be configured to allow different whereas access through the same equipment? A. MIMO B. TKIP C. LTE D. SSID
Answer : D
Question 82 (Single Topic)
Which of the following systems would MOST likely be found in a screened subnet? A. RADIUS B. FTP C. SQL D. LDAP





A. Scope options

B. Reservation

C. Dynamic assignment

D. Exclusion

E. Static assignment

Answer : B

Question 84 (Single Topic)

Access to a datacenter should be individually recorded by a card reader even when multiple employees enter the facility at the same time. Which of the following allows the enforcement of this policy?

A. Motion detection

B. Access control vestibules

Answer: B

Question 85 (Single Topic)

A workstation is configured with the following network details:

IP address	Subnet mask	Default gateway
10.1.2.23	10.1.2.0/27	10.1.2.1

Software on the workstation needs to send a query to the local subnet broadcast address. To which of the following addresses should the software be configured to send the query?

A. 10.1.2.0 B. 10.1.2.1 C. 10.1.2.23

D. 10.1.2.255

E. 10.1.2.31

Answer : E

Question 86 (Single Topic)

After the A record of a public website was updated, some visitors were unable to access the website. Which of the following should be adjusted to address the issue?

A. TTL B. MX C. TXT

D. SOA

Answer : A

Question 87 (Single Topic)

A network administrator is installing a wireless network at a client's office. Which of the following IEEE 802.11 standards would be BEST to use for multiple simultaneous client access?

A. CDMA B. CSMA/CD C. CSMA/CA D. GSM

Answer: A

Question 88 (Single Topic)



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A technician is installing multiple UPS units in a major retail store. The technician is required to keep track of all changes to new and old equipment. Which of the following will allow the technician to record these changes?

A. Asset tags B. A smart locker C. An access control vestibule D. A camera

Question 89 (Single Topic)



Which of the following attacks encrypts user data and requires a proper backup implementation to recover?

A. DDoS B. Phishing

C. Ransomware

D. MAC spoofing

.

Answer	:	C	

Question 90 (Single Topic)

A network administrator wants to analyze attacks directed toward the company's network. Which of the following must the network administrator implement to assist in this goal?

- A. A honeypot
- B. Network segmentation
- C. Antivirus
- D. A screened subnet

Answer : A

Question 91 (Single Topic)

A network administrator is configuring a database server and would like to ensure the database engine is listening on a certain port. Which of the following commands should the administrator use to accomplish this goal?

A. nslookup B. netstat -a C. ipconfig /a

D. arp -a

Answer : B

Question 92 (Single Topic)

A technician is implementing a new wireless network to serve guests at a local office. The network needs to provide Internet access but disallow associated stations from communicating with each other. Which of the following would BEST accomplish this requirement?

A. Wireless client isolation

- B. Port security
- C. Device geofencing
- D. DHCP snooping

Answer : A

Question 93 (Single Topic)

A company requires a disaster recovery site to have equipment ready to go in the event of a disaster at its main datacenter. The company does not have the budget to mirror all the live data to the disaster recovery site. Which of the following concepts should the company select?

A. Cold site B. Hot site

C. Warm site

D. Cloud site

Answer : C



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An IT technician suspects a break in one of the uplinks that provides connectivity to the core switch. Which of the following command-line tools should the technician use to determine where the incident is occurring?

A. nslookup	
B. show confi	ig

C. netstat

D. show interface

E. show counters

Answer: D

Question 95 (Single Topic)



A technician is connecting DSL for a new customer. After installing and connecting the on-premises equipment, the technician verifies DSL synchronization. When connecting to a workstation, however, the link LEDs on the workstation and modem do not light up. Which of the following should the technician perform during troubleshooting?

A. Identify the switching loops between the modem and the workstation.B. Check for asymmetrical routing on the modem.C. Look for a rogue DHCP server on the network.

https://www.itexams.com/exam/N10-008?viewall=1

D. Replace the cable connecting the modem and the workstation.

Answer : D
Question 96 (Single Topic)
Which of the following services can provide data storage, hardware options, and scalability to a third-party company that cannot afford new devices?
A. SaaS B. IaaS C. PaaS D. DaaS
Answer : B
Question 97 (Single Topic)
A network administrator is talking to different vendors about acquiring technology to support a new project for a large company. Which of the following documents will MOST likely need to be signed before information about the project is shared?
A. BYOD policy B. NDA C. SLA D. MOU
Answer : B
Question 98 (Single Topic)
Two remote offices need to be connected securely over an untrustworthy MAN. Each office needs to access network shares at the other site. Which of the following will BEST provide this functionality?
A. Client-to-site VPN B. Third-party VPN service C. Site-to-site VPN D. Split-tunnel VPN
Answer : C
Question 99 (Single Topic)
A network requirement calls for segmenting departments into different networks. The campus network is set up with users of each department in multiple buildings. Which of the following should be configured to keep the design simple and efficient?
A. MDIX B. Jumbo frames C. Port tagging D. Flow control

Which of the following protocols will a security appliance that is correlating network events from multiple devices MOST likely rely on to receive event messages?

A. Syslog
B. Session Initiation Protocol
C. Secure File Transfer Protocol
D. Server Message Block

Answer : A

Question 101 (Single Topic)

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Which of the following is MOST commonly used to address CVEs on network equipment and/or operating systems?

C. Firmware update D. Screened subnet

Answer : C

Question 102 (Single Topic)

A network technician is investigating an issue with handheld devices in a warehouse. Devices have not been connecting to the nearest APs, but they have been connecting to an AP on the far side of the warehouse. Which of the following is the MOST likely cause of this issue?

A. The nearest APs are configured for 802.11g.

B. An incorrect channel assignment is on the nearest APs.

C. The power level is too high for the AP on the far side.

D. Interference exists around the AP on the far side.

Answer : A

Question 103 (Single Topic)

Which of the following uses the destination IP address to forward packets?

A. A bridge B. A Layer 2 switch C. A router D. A repeater

Answer : C

Question 104 (Single Topic)

Which of the following OSI model layers is where conversations between applications are established, coordinated, and terminated?

A. Session B. Physical C. Presentation

D. Data link

Answer : A

Reference: $https://www.techtarget.com/searchnetworking/definition/OSI \#: \sim: text = The \% 20 session \% 20 layer, and \% 20 terminates \% 20 conversations \% 20 between \% 20 layer, and \% 20 terminates \% 20 conversations \% 20 between \% 20 layer, and \% 20 terminates \% 20 conversations \% 20 between \% 20 layer, and \% 20 terminates \% 20 conversations \% 20 between \% 20 layer, and \% 20 terminates \% 20 conversations \% 20 between \% 20 layer, and \% 20 terminates \% 20 conversations \% 20 between \% 20 layer, and \% 20 layer, and \% 20 terminates \% 20 conversations \% 20 between \% 20 layer, and \% 2$ 20applications

Question 105 (Single Topic)

A business is using the local cable company to provide Internet access. Which of the following types of cabling will the cable company MOST likely use from the demarcation point back to the central office?

A. Multimode B. Cat 5e C. RG-6 D. Cat 6 E. 100BASE-T



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Question 106 (Single Topic)



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A network administrator decided to use SLAAC in an extensive IPv6 deployment to alleviate IP address management. The devices were properly connected into the LAN but autoconfiguration of the IP address did not occur as expected. Which of the following should the network administrator verify?

A. The network gateway is configured to send router advertisements. B. A DHCP server is present on the same broadcast domain as the clients. C. The devices support dual stack on the network layer. D. The local gateway supports anycast routing.

Answer : A

Question 107 (Single Topic)

Which of the following is used to provide networking capability for VMs at Layer 2 of the OSI model?

A. VPN B. VRRP C. vSwitch D. VIP

Answer : C

Question 108 (Single Topic)

A network administrator is required to ensure that auditors have read-only access to the system logs, while systems administrators have read and write access to the system logs, and operators have no access to the system logs. The network administrator has configured security groups for each of these functional categories. Which of the following security capabilities will allow the network administrator to maintain these permissions with the LEAST administrative effort?

A. Mandatory access control

B. User-based permissions

C. Role-based access

D. Least privilege

Answer: C

Question 109 (Single Topic)

Which of the following would be used to expedite MX record updates to authoritative NSs?

A. UDP forwarding

B. DNS caching

C. Recursive lookup

D. Time to live

Answer : D

Question 110 (Single Topic)

A client moving into a new office wants the IP network set up to accommodate 412 network-connected devices that are all on the same subnet. The subnet needs to be as small as possible. Which of the following subnet masks should be used to achieve the required result?

A. 255.255.0.0 B. 255.255.252.0 C. 255.255.254.0 D. 255.255.255.0

Answer : C



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A company is being acquired by a	a large corporation. A	s part of the acquisition process	, the company's address shou	ld now redirect clients to the	corporate organization page. V	Which of the following DNS	records needs
to be created?							

A. SOA	
B. NS	
C. CNAME	
D. TXT	

Answer : C

Reference:

https://www.namecheap.com/support/knowledgebase/article.aspx/9604/2237/types-of-domain-redirects-301-302-url-redirects-url-frame-and-cname/ #:~:text=CNAME%20record%20is%20actually%20not,often%20mistakenly%20used%20as%20such.&text=In%20other%20words%2C%20CNAME% 20record,address%200f%20the%20destination%20hostname

Question 112 (Single Topic)



A user is having difficulty with video conferencing and is looking for assistance. Which of the following would BEST improve performance?

Answer : B

Question 113 (Single Topic)

A network technician is configuring a new firewall for a company with the necessary access requirements to be allowed through the firewall. Which of the following would normally be applied as the LAST rule in the firewall?

A. Secure SNMP B. Port security C. Implicit deny D. DHCP snooping

Answer : C

Question 114 (Single Topic)

A technician wants to install a WAP in the center of a room that provides service in a radius surrounding a radio. Which of the following antenna types should the AP utilize?

A. Omni

B. Directional

C. Yagi

D. Parabolic

Answer : A

Question 115 (Single Topic)

A systems administrator is running a VoIP network and is experiencing jitter and high latency. Which of the following would BEST help the administrator determine the cause of these issues?

A. Enabling RADIUS on the network

- B. Configuring SNMP traps on the network
- C. Implementing LDAP on the network

D. Establishing NTP on the network

Answer : B

Question 116 (Single Topic)

The following instructions were published about the proper network configuration for a videoconferencing device: "Configure a valid static RFC1918 address for your network. Check the option to use a connection over NAT." Which of the following is a valid IP address configuration for the device?

A. FE80::1 B. 100.64.0.1 C. 169.254.1.2 D. 172.19.0.2 E. 224.0.0.12



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Answer	:	D	

Question 117 (Single Topic)

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A network administrator is reviewing interface errors on a switch. Which of the following indicates that a switchport is receiving packets in excess of the configured MTU?

A. CRC errors B. Giants C. Runts

D. Flooding

Question 118 (Single Topic)

A network administrator needs to implement an HDMI over IP solution. Which of the following will the network administrator MOST likely use to ensure smooth video delivery?

- A. Link aggregation control
- B. Port tagging
- C. Jumbo frames
- D. Media access control

Answer : C

Question 119 (Single Topic)

A network administrator wants to reduce overhead and increase efficiency on a SAN. Which of the following can be configured to achieve these goals?

- A. Port aggregation
- B. Traffic shaping
- C. Jumbo frames
- D. Flow control

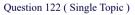
Answer: C

Question 120 (Single Topic)

A rogue AP was found plugged in and providing Internet access to employees in the break room. Which of the following would be BEST to use to stop this from happening without physically removing the WAP?

A. Password complexityB. Port securityC. Wireless client isolationD. Secure SNMP

Answer : B	
Question 121 (Single Topic)	, and the second
A company's network is set up so all Internet-bound traffic from all remote offices exits through a main datacenter. Which of the following network topologies would BEST describe this setup?	
A. Bus B. Spine-and-leaf C. Hub-and-spoke D. Mesh	
Answer : C	



To comply with industry requirements, a security assessment on the cloud server should identify which protocols and weaknesses are being exposed to attackers on the Internet. Which of the following tools is the MOST appropriate to complete the assessment?

A. Use tcpdump and parse the output file in a protocol analyzer.B. Use an IP scanner and target the cloud WAN network addressing.C. Run netstat in each cloud server and retrieve the running processes.D. Use nmap and set the servers' public IPs as the targets.

Answer : D

Question 123 (Single Topic)

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A systems administrator is configuring a firewall using NAT with PAT. Which of the following would be BEST suited for the LAN interface?

A. 172.15.0.0/18 B. 172.18.0.0/10 C. 172.23.0.0/16 D. 172.28.0.0/8 E. 172.32.0.0/14

A	α
Answer	C .

Question 124 (Single Topic)

A packet is assigned a value to ensure it does not traverse a network indefinitely. Which of the following BEST represents this value?

A. Zero Trust

B. Planned obsolescence

C. Time to live

D. Caching

Answer: C

Question 125 (Single Topic)

Which of the following policies should be referenced when a user wants to access work email on a personal cell phone?

A. Offboarding policyB. Acceptable use policyC. BYOD policyD. Remote access policy

Answer : C

Question 126 (Single Topic)

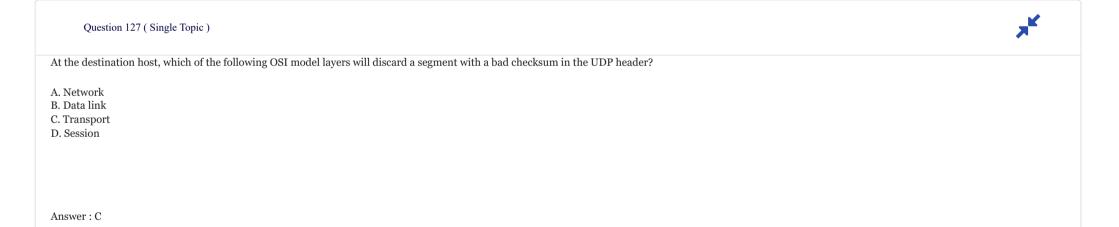
After a firewall replacement, some alarms and metrics related to network availability stopped updating on a monitoring system relying on SNMP. Which of the following should the network administrator do FIRST?

A. Modify the device's MIB on the monitoring system.

B. Configure syslog to send events to the monitoring system.

- C. Use port mirroring to redirect traffic to the monitoring system.
- D. Deploy SMB to transfer data to the monitoring system.

Answer : A





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A voice engineer is troubleshooting a phone issue. When a call is placed, the caller hears echoes of the receiver's voice. Which of the following are the causes of this issue? (Choose two.)

A. Jitter

B. Speed mismatch

C. QoS misconfiguration

D. Protocol mismatch

E. CRC errors

F. Encapsulation errors

Answer : AC

Question 129 (Single Topic)



Which of the following VPN configurations should be used to separate Internet and corporate traffic?

A. Split-tunnel

B. Remote desktop gateway

C. Site-to-site

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D. Out-of-band management

Answer: A

Question 130 (Single Topic)	×
Which of the following is required when connecting an endpoint device with an RJ45 port to a network device with an ST port?	
A. A media converter B. A bridge C. An MDIX D. A load balancer	
Answer : A	
Question 131 (Single Topic)	, 1 1
The management team has instituted a 48-hour RTO as part of the disaster recovery plan. Which of the following procedures would meet the policy's requirements?	
 A. Recover all systems to a loss of 48 hours of data. B. Limit network downtime to a maximum of 48 hours per year. C. Recover all systems within 48 hours. D. Require 48 hours of system backup maintenance. 	
Answer : C	
Reference: https://www.druva.com/blog/understanding-rpo-and-rto/	
Question 132 (Single Topic)	, 1 4
Which of the following cable types would MOST likely be used to provide high-speed network connectivity between nearby buildings?	
A. UTP B. Coaxial C. Fiber D. Cat 5 E. Twinaxial	
Answer : C	
Question 133 (Single Topic)	ж ^{кс}
Which of the following is the physical security mechanism that would MOST likely be used to enter a secure site?	
A. A landing page B. An access control vestibule C. A smart locker D. A firewall	

Answer : B

Question 134 (Single Topic)

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Which of the following BEST describes a North-South traffic flow?

A. A public Internet user accessing a published web server B. A database server communicating with another clustered database server C. A Layer 3 switch advertising routes to a router

D. A management application connecting to managed devices

Answer : D

Question 135	(Single Topic)
Question 155	Single Tople)



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A network switch was installed to provide connectivity to cameras monitoring wildlife in a remote location. The organization is concerned that intruders could potentially leverage unattended equipment in the remote location to connect rogue devices and gain access to the organization's resources. Which of the following techniques would BEST address the concern?

A. Configure port security using MAC filtering.

- B. Manually register the cameras on the switch address table.
- C. Activate PoE+ on the active switchports.
- D. Disable Neighbor Discovery Protocol on the switch.

Answer : A

Question 136 (Single Topic)

A technician is documenting an application that is installed on a server and needs to verify all existing web and database connections to the server. Which of the following tools should the technician use to accomplish this task?

A. tracert B. ipconfig C. netstat

D. nslookup

Answer : C

Question 137 (Single Topic)

A technician is assisting a user who cannot access network resources when the workstation is connected to a VoIP phone. The technician identifies the phone as faulty and replaces it. According to troubleshooting methodology, which of the following should the technician do NEXT?

A. Implement the solution.

B. Test the theory.

C. Duplicate the issue.

- D. Document the findings.
- E. Verify functionality.

Answer : E

Question 138 (Single Topic)

Which of the following OSI model layers contains IP headers?

A. Presentation

- B. Application
- C. Data link
- D. Network

E. Transport

Answer : D

Question 139 (Single Topic)

A small office is running WiFi 4 APs, and neighboring offices do not want to increase the throughput to associated devices. Which of the following is the MOST cost-efficient way for the office to increase network performance?

A. Add another AP.B. Disable the 2.4GHz radios.C. Enable channel bonding.D. Upgrade to WiFi 5.

Answer: C

Question 140 (Single Topic)



A network technician is troubleshooting an application issue. The technician is able to recreate the issue in a virtual environment. According to the troubleshooting methodology, which of the following actions will the technician most likely perform NEXT?

A. Gather information from the initial report.B. Escalate the issue to a supervisor.C. Implement a solution to resolve the issue.D. Establish a theory of probable cause.

Answer : D

Question 141 (Single Topic)

Which of the following types of datacenter architectures will MOST likely be used in a large SDN and can be extended beyond the datacenter?

A. iSCSI B. FCoE C. Three-tiered network

D. Spine and leaf

E. Top-of-rack switching

Answer : D

Question 142 (Single Topic)

A technician is troubleshooting a client's report about poor wireless performance. Using a client monitor, the technician notes the following information:

SSID	Signal (RSSI)	Channel
Corporate	-50	9
Corporate	-69	10
Corporate	-67	11
Corporate	-63	6

Which of the following is MOST likely the cause of the issue?

A. Channel overlap

B. Poor signal

C. Incorrect power settings

D. Wrong antenna type

Answer : A

Question 143 (Single Topic)

A network technician reviews an entry on the syslog server and discovers the following message from a switch:

SPANNING-TREE Port 1/1 BLOCKED -Which of the following describes the issue?

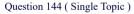
A. A loop was discovered, and the impact was mitigated.

B. An incorrectly pinned cable was disconnected.

C. The link-local address on the port is incorrect.

D. The port was shut down, and it needs to be reactivated.

Answer : A



A company just migrated its email service to a cloud solution. After the migration, two-thirds of the internal users were able to connect to their mailboxes, but the connection fails for the other one-third of internal users. Users working externally are not reporting any issues. The network administrator identifies the following output collected from an internal host: c:\user> nslookup newmail.company.com Non-Authoritative answer:

Name: newmail.company.com -IPs: 3.219.13.186, 64.58.225.184, 184.168.131.243 Which of the following verification tasks should the network administrator perform NEXT?

A. Check the firewall ACL to verify all required IP addresses are included.B. Verify the required router PAT rules are properly configured.C. Confirm the internal DNS server is replying to requests for the cloud solution.D. Validate the cloud console to determine whether there are unlicensed requests.

Answer : A

Question 145 (Single Topic)

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A network technician was hired to harden the security of a network. The technician is required to enable encryption and create a password for AP security through the web browser. Which of the following would BEST support these requirements?

A. ESP B. WPA2 C. IPSec D. ACL

Answer : B

Question 146 (Single Topic)

Which of the following ports are associated with IMAP? (Choose two.)

A. 25 B. 110 C. 143 D. 587 E. 993

F. 995

Answer : CE

Reference: https://billing.precedence.com.au/billing/knowledgebase/70/Mail-Ports-for-POP3-IMAP-and-SMTP.html

Question 147 (Single Topic)

A network administrator is trying to identify a device that is having issues connecting to a switchport. Which of the following would BEST help identify the issue?

A. A syslog server B. Change management records C. A rack diagram

D. The security log

Answer : A

Question 148 (Single Topic)

A company with multiple routers would like to implement an HA network gateway with the least amount of downtime possible. This solution should not require changes on the gateway setting of the network clients. Which of the following should a technician configure?

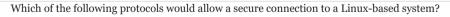
A. Automate a continuous backup and restore process of the system's state of the active gateway.

- B. Use a static assignment of the gateway IP address on the network clients.
- C. Configure DHCP relay and allow clients to receive a new IP setting.

D. Configure a shared VIP and deploy VRRP on the routers.

Answer: D

Question 149 (Single Topic)



Question 150 (Single Topic)

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A network administrator is troubleshooting the communication between two Layer 2 switches that are reporting a very high runt count. After trying multiple ports on both switches, the issue persists. Which of the following should the network administrator perform to resolve the issue?

A. Increase the MTU size on both switches.B. Recertify the cable between both switches.C. Perform a factory reset on both switches.D. Enable debug logging on both switches.

Answer : A

Question 151 (Single Topic)

Users attending security training at work are advised not to use single words as passwords for corporate applications. Which of the following does this BEST protect against?

A. An on-path attack B. A brute-force attack C. A dictionary attack D. MAC spoofing E. Denial of service

Answer : C

Question 152 (Single Topic)



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A network administrator would like to enable NetFlow on a Layer 3 switch but is concerned about how the feature may impact the switch. Which of the following metrics should the administrator graph using SNMP to BEST measure the feature's impact?

A. CPU usage

- B. Temperature
- C. Electrical consumption
- D. Bandwidth usage

Answer : A

Reference:

http://etutorials.org/Networking/network+management/Part+II+Implementations+on+the+Cisco+Devices/Chapter+7.+NetFlow/Deployment+Guidelines/Networking/network+management/Part+II+Implementations+on+the+Cisco+Devices/Chapter+7.+NetFlow/Deployment+Guidelines/Network+management/Part+II+Implementations+on+the+Cisco+Devices/Chapter+7.+NetFlow/Deployment+Guidelines/Network+management/Part+II+Implementations+on+the+Cisco+Devices/Chapter+7.+NetFlow/Deployment+Guidelines/Network+management/Part+II+Implementations+on+the+Cisco+Devices/Chapter+7.+NetFlow/Deployment+Guidelines/Network+management/Part+II+Implementations+on+the+Cisco+Devices/Chapter+7.+NetFlow/Deployment+Guidelines/Network+management/Part+II+Implementations+on+the+Cisco+Devices/Chapter+7.+NetFlow/Deployment+Guidelines/Network+management/Part+II+Implementations+on+the+Cisco+Devices/Chapter+7.+NetFlow/Deployment+Guidelines/Network+management/Part+II+Implementations+on+the+Cisco+Devices/Chapter+7.+NetFlow/Deployment+Guidelines/Network+management/Part+II+Implementations+on+Implementations+0.

Question 153 (Single Topic)	R
Which of the following would be used to enforce and schedule critical updates with supervisory approval and include backup plans in case of failure?	
A. Business continuity plan	
B. Onboarding and offboarding policies	
C. Acceptable use policy	

D. System life cycle

E. Change management

Answer: E

Question 154 (Single Topic)

A newly installed VoIP phone is not getting the DHCP IP address it needs to connect to the phone system. Which of the following tasks need to be completed to allow the phone to operate correctly?

A. Assign the phones $\mathbb{C}^{\mathsf{TM}} s$ switch port to the correct VLAN

B. Statically assign the phonex€[™]s gateway address

C. Configure a route on the VoIP network router

D. Implement a VoIP gateway

Question 155 (Single Topic)



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Users are reporting intermittent WiFi connectivity in specific parts of a building. Which of the following should the network administrator check FIRST when troubleshooting this issue? (Choose two.)

A. Site survey

B. EIRP

C. AP placement

D. Captive portal

E. SSID assignment

F. AP association time

Answer : AC

Question 156 (Single Topic)



A technician is setting up a new router, configuring ports, and allowing access to the Internet. However, none of the users connected to this new router are able to connect to the Internet. Which of the following does the technician need to configure?

A. Tunneling B. Multicast routing

C. Network address translation

D. Router advertisement

Answer : C

Question 157 (Single Topic)

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A network administrator is testing performance improvements by configuring channel bonding on an 802.11ac AP. Although a site survey detected the majority of the 5GHz frequency spectrum was idle, being used only by the company's WLAN and a nearby government radio system, the AP is not allowing the administrator to manually configure a large portion of the 5GHz frequency range. Which of the following would be BEST to configure for the WLAN being tested?

A. Upgrade the equipment to an AP that supports manual configuration of the EIRP power settings

B. Switch to 802.11n, disable channel auto-selection, and enforce channel bonding on the configuration

C. Set up the AP to perform a dynamic selection of the frequency according to regulatory requirements

D. Deactivate the band 5GHz to avoid interference with the government radio

Answer : C

Question 158 (Single Topic)

Which of the following options represents the participating computers in a network?

A. Nodes B. CPUs C. Servers D. Clients

Answer : A

Reference: https://en.wikipedia.org/wiki/Node_(networking)

Question 159 (Single Topic)

An administrator is working with the local ISP to troubleshoot an issue. Which of the following should the ISP use to define the furthest point on the network that the administrator is responsible for troubleshooting?

A. Firewall

B. A CSU/DSU

C. Demarcation point

D. Router

E. Patch panel

Answer : D



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To access production applications and data, developers must first connect remotely to a different server. From there, the developers are able to access production data. Which of the following does this BEST represent?

A. A management plane B. A proxy server C. An out-of-band management device D. A site-to-site VPN E. A jump box

Answer : E

Question 161 (Single Topic)

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Which of the following is conducted frequently to maintain an updated list of a system's weaknesses?

A. Penetration test

B. Posture assessment

C.	Risk assessment
D.	Vulnerability scan

Answer : D

Question 162 (Single Topic)

A systems administrator wants to use the least amount of equipment to segment two departments that have cables terminating in the same room. Which of the following would allow this to occur?

A. A load balancer B. A proxy server C. A Layer 3 switch D. A hub E. A Layer 7 firewall

Answer: C

Question 163 (Single Topic)

An administrator needs to connect two laptops directly to each other using 802. 11ac but does not have an AP available. Which of the following describes this configuration?

A. Basic service set B. Extended service set C. Independent basic service set D. MU-MIMO

Answer : A

Question 164 (Single Topic)

A network administrator is reviewing the following metrics from a network management system regarding a switchport. The administrator suspects an issue because users are calling in regards to the switch port's performance:

Metric	Value
Uptime	201 days, 3 hours, 18 minutes
MDIX	On
CRCs	0
Giants	2508
Output queue maximum	40
Packets input	136208849
Packets output	64458087024



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Based on the information in the chart above, which of the following is the cause of these performance issues?

A. The connected device is exceeding the configured MTU.

B. The connected device is sending too many packets.

- C. The switchport has been up for too long.
- D. The connected device is receiving too many packets.

E. The switchport does not have enough CRCs.

Answer : A

Question 165 (Single Topic)

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A network administrator is installing a new server in the datacenter. The administrator is concerned the amount of traffic generated will exceed 1GB, and higher- throughput NICs are not available for installation. Which of the following is the BEST solution for this issue?

A. Install an additional NIC and configure LACP B. Remove some of the applications from the server

C.	Con	figure the	NI	C to	use	full d	luplex		
_	-								

D. Configure port mirroring to send traffic to another server E. Install a SSD to decrease data processing time

Answer : A

Question 166 (Single Topic)

A malicious user is using special software to perform an on-path attack. Which of the following best practices should be configured to mitigate this threat?

A. Dynamic ARP inspectionB. Role-based accessC. Control plane policingD. MAC filtering

Answer : A

Question 167 (Single Topic)

Which of the following can be used to store various types of devices and provide contactless delivery to users?

A. Asset tagsB. BiometricsC. Access control vestibules

D. Smart lockers

Answer : C

Question 168 (Single Topic)

A technician recently set up a small office network for nine users. When the installation was complete, all the computers on the network showed addresses ranging from 169.254.00 to 169.254.255.255. Which of the following types of address ranges does this represent?

A. Private B. Public C. APIPA D. Classless

Answer : C

Question 169 (Single Topic)

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Which of the following OSI model layers is where a technician would view UDP information?

A. Physical

B. Data link

C. Network

D. Transport

Question 170 (Single Topic)



A network technician at a university is assisting with the planning of a simultaneous software deployment to multiple computers in one classroom in a building. Which of the following would be BEST to use?

A.	Mul	ticast
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B. Anycast C. Unicast D. Broadcast

Answer : A

Question 171 (Single Topic)



Which of the following describes the BEST device to configure as a DHCP relay?

https://www.itexams.com/exam/N10-008?viewall=1

A.	Bridge
R	Router

C. Layer 2 switch D. Hub

Answer : C

Question 172 (Single Topic)
Which of the following compromises Internet-connected devices and makes them vulnerable to becoming part of a botnet? (Choose two.)
 A. Deauthentication attack B. Malware infection C. IP spoofing D. Firmware corruption E. Use of default credentials F. Dictionary attack
Answer : BF
Question 173 (Single Topic)
A network administrator is planning a WLAN for a soccer stadium and was advised to use MU-MIMO to improve connection performance in high-density areas. The project requires compatibility with clients connecting using 2.4GHz or 5GHz frequencies. Which of the following would be the BEST wireless standard for this project?
A. 802.11ac B. 802.11ax C. 802.11g D. 802.11n
Answer : B
Question 174 (Single Topic)
An organization purchased an allocation of public IPv4 addresses. Instead of receiving the network address and subnet mask, the purchase paperwork indicates the allocation is a /28. This type of notation is referred to as:
A. CIDR B. classful C. classless D. RFC1918
Answer : A
Question 175 (Single Topic)
A network technician is reviewing a document that specifies how to handle access to company resources, such as the Internet and printers, when devices are not part of the company's assets. Which of the following agreements would a user be required to accept before using the company's resources?

A. BYOD B. DLP C. AUP D. MOU

Answer : C	
Question 176 (Single Topic)	×K
Which of the following records can be used to track the number of changes on a DNS zone?	
A. SOA B. SRV C. TXT D. NS	
Answer : D	

Question 177 (Single Topic)	7 ¹⁴
A network administrator is trying to add network redundancy for the server farm. Which of the following can the network administrator configure to BEST provide this capability?	
A. VRRP B. DNS C. UPS D. RPO	
Answer : A	
Question 178 (Single Topic)	×K
A network administrator is adding a new switch to the network. Which of the following network hardening techniques would be BEST to use once the switch is in production?	
 A. Disable unneeded ports B. Disable SSH service C. Disable MAC filtering D. Disable port security 	
Answer : A	
Question 179 (Single Topic)	×K
A network administrator is troubleshooting an issue with a new Internet connection. The ISP is asking detailed questions about the configuration of the router that the network administrator Which of the following commands is the network administrator using? (Choose two.)	or is troubleshooting.
A. tcpdump B. show config C. hostname D. show route E. netstat F. show ip arp	
Answer : DE	
Question 180 (Single Topic)	, , K
Which of the following is the MOST appropriate use case for the deployment of a clientless VPN?	
A. Secure web access to internal corporate resources.B. Upgrade security via the use of an NFV technology.C. Connect two datacenters across the Internet.D. Increase VPN availability by using a SDWAN technology.	
Answer : A	
Question 181 (Single Topic)	

Which of the following security controls indicates unauthorized hardware modifications?

C. Change management policy
D. Tamper-evident seals

Answer : D

Question 182 (Single Topic)

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A network technician needs to install security updates on several switches on the company's network. The management team wants this completed as quickly and efficiently as possible. Which of the following should the technician do to perform the updates?

A. Upload the security update onto each switch using a terminal emulator and a console cable.B. Configure a TFTP server, SSH into each device, and perform the update.C. Replace each old switch with new switches that have the updates already performed.D. Connect a USB memory stick to each switch and perform the update.

Answer : B

Question 183 (Single Topic)

Which of the following describes traffic going in and out of a data center from the internet?

A. Demarcation point

B. North-South

C. Fibre Channel

D. Spine and leaf

Answer : B

Question 184 (Single Topic)

A technician is troubleshooting a connectivity issue with an end user. The end user can access local network shares and intranet pages but is unable to access the internet or remote resources. Which of the following needs to be reconfigured?

A. The IP address B. The subnet mask C. The gateway address D. The DNS servers

Answer : C

Question 185 (Single Topic)

An IT administrator received an assignment with the following objectives:

ightarrow Conduct a total scan within the company's network for all connected hosts.

⇒ Detect all the types of operating systems running on all devices.

 \Rightarrow Discover all services offered by hosts on the network.

⇔ Find open ports and detect security risks.

Which of the following command-line tools can be used to achieve these objectives?

A. nmap

B. arp C. netstat

D. tcpdump

Answer : A

Question 186 (Single Topic)

A network manager is configuring switches in IDFs to ensure unauthorized client computers are not connecting to a secure wired network. Which of the following is the network manager MOST likely performing?

A. Disabling unneeded switchports

B. Changing the default VLAN

C. Configuring DHCP snooping

D. Writing ACLs to prevent access to the switch

Question 187 (Single Topic)	R
At which of the following OSI model layers does routing occur? A. Data link B. Transport C. Physical D. Network	
Answer : D	
Question 188 (Single Topic)	, all
An auditor assessing network best practices was able to connect a rogue switch into a network jack and get network connectivity. Which of the following controls would BEST address this risk?	

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- A. Activate port security on the switchports providing end user access.B. Deactivate Spanning Tree Protocol on network interfaces that are facing public areas.
- C. Disable Neighbor Resolution Protocol in the Layer 2 devices.
- D. Ensure port tagging is in place for network interfaces in guest areas.

Answer : A

Question 189 (Single Topic)	بملاج
A technician knows the MAC address of a device and is attempting to find the device's IP address. Which of the following should the technician look at to find the IP address? (Choose two.)	
A. ARP table B. DHCP leases C. IP route table D. DNS cache E. MAC address table F. STP topology	
Answer : AB	
Question 190 (Single Topic)	,
A user in a branch office reports that access to all files has been lost after receiving a new PC. All other users in the branch can access fileshares. The IT engineer wh workstation from the branch router, but the machine cannot, ping the router. Which of the following is MOST likely the cause of the incident?	no is troubleshooting this incident is able to ping the
A. Incorrect subnet mask B. Incorrect DNS server C. Incorrect IP class D. Incorrect TCP port	
Answer : A	
Question 191 (Single Topic)	کار
A network administrator would like to purchase a device that provides access ports to endpoints and has the ability to route between networks. Which of the following would be BEST for the administrator to purchase?	
A. An IPS B. A Layer 3 switch C. A router D. A wireless LAN controller	
Answer : B	
Question 192 (Single Topic)	, K

A false camera is installed outside a building to assist with physical security. Which of the following is the device assisting?

A. Detection

Answer	:	D	

Question 193 (Single Topic)



Which of the following types of attacks can be used to gain credentials by setting up rogue APs with identical corporate SSIDs?

A. VLAN hopping B. Evil twin C. DNS poisoning D. Social engineering

Answer : B

Question 194 (Single Topic)	, x k
Which of the following protocols is widely used in large-scale enterprise networks to support complex networks with multiple routers and balance traffic load on multiple links?	
A. OSPF B. RIPv2 C. QoS D. STP	
Answer : A	
Question 195 (Single Topic)	* *
A network engineer is investigating reports of poor network performance. Upon reviewing a report, the engineer finds hundreds of CRC errors on an interface. Which of the following is the MOST likely cause of these errors?	
 A. A bad wire on the Cat 5e cable B. The wrong VLAN assignment to the switchport C. A misconfigured QoS setting on the router D. Both sides of the switch trunk set to full duplex 	
Answer : A	
Question 196 (Single Topic)	×K
Which of the following is considered a physical security detection device?	
A. Cameras B. Biometric readers C. Access control vestibules D. Locking racks	
Answer : C	
Question 197 (Single Topic)	ж ^к
A network is experiencing extreme latency when accessing a particular website. Which of the following commands will BEST help identify the issue? A. ipconfig B. netstat C. tracert D. ping Answer : C	
Question 198 (Single Topic)	,,K

A technician needs to configure a routing protocol for an internet-facing edge router. Which of the following routing protocols will the technician MOST likely use?

A. BGP B. RIPv2 C. OSPF D. EIGRP

Question 199 (Single Topic)



A technician is monitoring a network interface and notices the device is dropping packets. The cable and interfaces, however, are in working order. Which of the following is MOST likely the cause?

A. OID duplicationB. MIB mismatchC. CPU usageD. Encapsulation errors

Answer : C

Question 200 (Single Topic)

A technician installed an 8-port switch in a user's office. The user needs to add a second computer in the office, so the technician connects both PCs to the switch and connects the switch to the wall jack. However, the
new PC cannot connect to network resources. The technician then observes the following:
🖙 The new computer does not get an IP address on the client's VLAN.

⇒ Both computers have a link light on their NICs.

 \Rightarrow The existing computer operates normally.

Which of the following should the technician do NEXT to address the situation?

A. Contact the network team to resolve the port security issue.

B. Contact the server team to have a record created in DNS for the new PC.

C. Contact the security team to review the logs on the company's SIEM.

D. Contact the application team to check NetFlow data from the connected switch.

Answer : A

Question 201 (Single Topic)

A network administrator needs to provide remote clients with access to an internal web application. Which of the following methods provides the HIGHEST flexibility and compatibility while encrypting only the connection to the web application?

A. Clientless VPN B. Virtual desktop C. Virtual network computing D. mGRE tunnel

Answer : A

Question 202 (Single Topic)

A network engineer receives the following when connecting to a switch to configure a port: telnet 10.1.200.1 Connecting to 10.1.200.1..Could not open connection to the host, on port 23: Connect failed. Which of the following is the MOST likely cause for the failure?

A. The network engineer is using the wrong protocol.

B. The network engineer does not have permission to configure the device.

C. SNMP has been secured with an ACL.

D. The switchport the engineer is trying to configure is down.

Answer : A

Question 203 (Single Topic)

A network attack caused a network outage by wiping the configuration and logs of the border firewall. Which of the following sources, in an investigation to determine how the firewall was compromised, can provide the MOST detailed data?

A. Syslog server messages

B. MIB of the attacked firewall

C. Network baseline reports

D. NetFlow aggregate data

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A network engineer needs to reduce the overhead of file transfers. Which of the following configuration changes would accomplish that goal?

A. Link aggregation
B. Jumbo frames
C. Port security

D. Flow control

E. Lower FTP port

Answer: B

Question 205 (Single Topic)

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Which of the following devices have the capability to allow communication between two different subnetworks? (Choose two.)

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- B. Access point
- C. Layer 2 switch
- D. Layer 3 switch
- E. Router
- F. Media converter

Answer : DE

Question 206 (Single Topic)

A network technician is implementing a solution that will allow end users to gain access to multiple applications after logging on. Which of the following authentication methods would allow this type of access?

A. SSO B. LDAP C. EAP D. TACACS+

Answer : A

Question 207 (Single Topic)

An administrator is attempting to add a new system to monitoring but is unsuccessful. The administrator notices the system is similar to another one on the network; however, the new one has an updated OS version. Which of the following should the administrator consider updating?

A. Management information bases

B. System baseline C. Network device logs D. SNMP traps

Answer : B

Question 208 (Single Topic)

A network technician receives a report about a performance issue on a client PC that is connected to port 1/3 on a network switch. The technician observes the following configuration output from the switch:

1/1	Client PC	Connected	Full	1000
1/2	Client PC	Connected	Full	1000
1/3	Client PC	Connected	Full	10

Which of the following is a cause of the issue on port 1/3?

A. Speed B. Duplex

C. Errors

D. VLAN

Answer : A

Question 209 (Single Topic)



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	A. A proxy server B. An industrial control system: C. A load balancer D. A media converter
_	Answer : D
	Question 210 (Single Topic) A Fortune 500 firm is deciding on the kind of data center equipment to install given its five-year budget outlook. The Chief Information Officer is comparing equipment based on the life expectancy of different
	models. Which of the following concepts BEST represents this metric?
	A. MTBF
	B. MTTR C. RPO
	D. RTO

Allswel . A	Answer	:	Α
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Question 211 (Single Topic)

A network administrator installed an additional IDF during a building expansion project. Which of the following documents need to be updated to reflect the change? (Choose two.)

A. Data loss prevention policy

- B. BYOD policy
- C. Acceptable use policy
- D. Non-disclosure agreement
- E. Disaster recovery plan
- F. Physical network diagram

Answer : EF

Question 212 (Single Topic)

Which of the following BEST describes hosting several businesses on the same physical infrastructure?

A. Hybrid B. Elasticity C. IaaS

D. Multitenancy

D. Multitenancy

Answer : D

Question 213 (Single Topic)

A company streams video to multiple devices across a campus. When this happens, several users report a degradation of network performance. Which of the following would MOST likely address this issue?

A. Enable IGMP snooping on the switches.

B. Implement another DHCP server.

C. Reconfigure port tagging for the video traffic.

D. Change the SSID of the APs.

Answer : C

Question 214 (Single Topic)

The power company notifies a network administrator that it will be turning off the power to the building over the weekend. Which of the following is the BEST solution to prevent the servers from going down?

A. Redundant power supplies

B. Uninterruptible power supply

C. Generator

D. Power distribution unit

Answer : C

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A technician is trying to determine whether an LACP bundle is fully operational. Which of the following commands will the technician MOST likely use?

A. show interface

B. show config

C. show route

D. show arp

Answer : A

Question 216 (Single Topic)

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A network administrator wants to check all network connections and see the output in integer form. Which of the following commands should the administrator run on the command line?

A. netstat

B. netstat -a

C. netstat -e

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D. netstat -n		
Answer : D		
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Question 217 (Single Topic)		×
Which of the following connectors	s and terminations are required to make a Cat 6 cable that connects from a PC to a non-capable MDIX switch? (Choose two.)	
which of the following connectors	s and terminations are required to make a Cat o cable that connects from a PC to a non-capable MDTX switch? (Choose two.)	
A. TIA-568-A - TIA-568-B		
B. TIA-568-B - TIA-568-B		
C. RJ11		
D. RJ45 E. F-type		
Answer : AB		
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Question 218 (Single Topic)		X
A technician is configuring a wirel	ess network and needs to ensure users agree to an AUP before connecting. Which of the following should be implemented to achieve this goal?	
A. Captive portal		
B. Geofencing		
C. Wireless client isolation		
D. Role-based access		
Answer : A		
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Question 219 (Single Topic)		" *
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A network technician needs to det	ermine the IPv6 address of a malicious website. Which of the following record types would provide this information?	
A. A B. AAAA		
C. CNAME		
D. PTR		
Answer : B		
Question 220 (Single Topic)		_ _ ¥
A technician is troubleshooting a r	report about network connectivity issues on a workstation. Upon investigation, the technician notes the workstation is showing an	
APIPA address on the network inte	terface. The technician verifies that the VLAN assignment is correct and that the network interface has connectivity. Which of the following is MOST likely t	ne issue the workstation is
experiencing?		
A. DHCP exhaustion		
B. A rogue DHCP server		
C. A DNS server outage		
D. An incorrect subnet mask		

Question 221 (Single Topic)

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A network technician has determined the cause of a network disruption. Which of the following is the NEXT step for the technician to perform?

A. Validate the findings in a top-to-bottom approach. B. Duplicate the issue, if possible. C. Establish a plan of action to resolve the issue. D. Document the findings and actions.

Answer : A

Question 222 (Single Topic)

Which of the following types of connections would need to be set up to provide access from the internal network to an external network so multiple satellite offices can communicate securely using various ports and protocols?

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Answer : A

Question 223 (Single Topic)	, **
A corporate client is experiencing global system outages. The IT team has identified multiple potential underlying causes throughout the enterprise. Each team member has been assigned an area Which of the following approaches is being used?	to troubleshoot.
A. Divide-and-conquer B. Top-to-bottom C. Bottom-to-top D. Determine if anything changed	
Answer : A	
Question 224 (Single Topic)	, s ^{it}
Which of the following use cases would justify the deployment of an mGRE hub-and-spoke topology?	
 A. An increase in network security using encryption and packet encapsulation B. A network expansion caused by an increase in the number of branch locations to the headquarters C. A mandatory requirement to increase the deployment of an SDWAN network D. An improvement in network efficiency by increasing the useful packet payload 	
Answer : B	
Question 225 (Single Topic)	, and the second s
Which of the following needs to be tested to achieve a Cat 6a certification for a company's data cabling?	
A. RJ11 B. LC ports C. Patch panel D. F-type connector	
Answer : C	
Question 226 (Single Topic)	, s ^{it}
A network technician is responding to an issue with a local company. To which of the following documents should the network technician refer to determine the scope of the issue?	

Question 227 (Single Topic)

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A company wants to set up a backup data center that can become active during a disaster. The site needs to contain network equipment and connectivity. Which of the following strategies should the company employ?

A. Active-active B. Warm C. Cold D. Cloud

Answer : A

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Which of the following would be used to forward requests and replies between a DHCP server and client?

A. Relay B. Lease C. Scope

D. Range

Answer : A

Question 229 (Single Topic)

Question 228 (Single Topic)

Network connectivity in an extensive forest reserve was achieved using fiber optics. A network fault was detected, and now the repair team needs to check the integrity of the fiber cable. Which of the following actions can reduce repair time?

A. Using a tone generator and wire map to determine the fault location

- B. Using a multimeter to locate the fault point
- C. Using an OTDR in one end of the optic cable to get the fiber length information
- D. Using a spectrum analyzer and comparing the current wavelength with a working baseline

Answer : C

Question 230 (Single Topic)

A small office has a wireless network with several access points that are used by mobile devices. Users occasionally report that the wireless connection drops or becomes very slow. Reports confirm that this only happens when the devices are connected to the office wireless network. Which of the following is MOST likely the cause?

A. The configuration of the encryption protocol

B. Interference from other devices

C. Insufficient bandwidth capacity

D. Duplicate SSIDs

Answer : B

Question 231 (Single Topic)

Which of the following is a benefit of the spine-and-leaf network topology?

A. Increased network security

B. Stable network latency

C. Simplified network management

D. Eliminated need for inter-VLAN routing

Answer : B

Question 232 (Single Topic)

A technician performed a manual reconfiguration of a firewall, and network connectivity was reestablished. Some connection events that were previously sent to a syslog server are no longer being generated by the firewall. Which of the following should the technician perform to fix the issue?

A. Adjust the proper logging level on the new firewall.

B. Tune the filter for logging the severity level on the syslog server.

C. Activate NetFlow traffic between the syslog server and the firewall. D. Restart the SNMP service running on the syslog server.

Answer : A

Question 233 (Single Topic)

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A company rents out a large event space and includes wireless internet access for each tenant. Tenants reserve a two-hour window from the company each week, which includes a tenant-specific SSID. However, all users share the company's network hardware.

The network support team is receiving complaints from tenants that some users are unable to connect to the wireless network. Upon investigation, the support team discovers a pattern indicating that after a tenant with a particularly large attendance ends its sessions, tenants throughout the day are unable to connect.

The following settings are common to all network configurations:

Wireless encryption	WPA2
Captive portal	Disabled
AP isolation	Enabled
Subnet mask	255.255.255.0
DNS server	10.0.0.1
Default gateway	10.1.10.1
DHCP scope begin	10.1.10.10
DHCP scope end	10.1.10.150
DHCP lease time	24 hours

Which of the following actions would MOST likely reduce this issue? (Choose two.)

A. Change to WPA encryption.

B. Change the DNS server to 10.1.10.1.

C. Change the default gateway to 10.0.0.1.

D. Change the DHCP scope end to 10.1.10.250.

E. Disable AP isolation.

F. Change the subnet mask to 255.255.255.192.

G. Reduce the DHCP lease time to four hours.

Answer: DG

Question 234 (Single Topic)

A user from a remote office is reporting slow file transfers. Which of the following tools will an engineer MOST likely use to get detailed measurement data?

A. Packet capture

B. iPerf C. NetFlow analyzer

D. Internet speed test

Answer : C

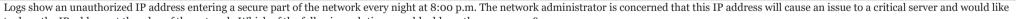
Question 235	5 (Single	Topic)
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When accessing corporate network resources, users are required to authenticate to each application they try to access. Which of the following concepts does this BEST represent?

A. SSO B. Zero Trust C. VPN D. Role-based access control

Answer: B

Question 236 (Single Topic)



to deny the IP address at the edge of the network. Which of the following solutions would address these concerns?

A. Changing the VLAN of the web server B. Changing the server's IP address C. Implementing an ACL

D. Installing a rule on the firewall connected to the web server

Answer : C

Question 237 (Single Topic)



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A network administrator is troubleshooting a connectivity performance issue. As part of the troubleshooting process, the administrator performs a traceroute from the client to the server, and also from the server to the client. While comparing the outputs, the administrator notes they show different hops between the hosts. Which of the following BEST explains these findings?

A. Asymmetric routing

B. A routing loop

C. A switch loop

D. An incorrect gateway

Answer : D

Question 238 (Single Topic)

A technician is troubleshooting reports that a networked printer is unavailable. The printer's IP address is configured with a DHCP reservation, but the address cannot be pinged from the print server in the same subnet. Which of the following is MOST likely the cause of the connectivity failure?

A. Incorrect VLANB. DNS failureC. DHCP scope exhaustionD. Incorrect gateway

Answer : C

Question 239 (Single Topic)

A systems operator is granted access to a monitoring application, configuration application, and timekeeping application. The operator is denied access to the financial and project management applications by the system's security configuration. Which of the following BEST describes the security principle in use?

A. Network access controlB. Least privilegeC. Multifactor authentication

D. Separation of duties

Answer : D

Question 240 (Single Topic)

A technician is connecting a Cat 6 Ethernet cable to a device that only has LC ports. Which of the following will the technician MOST likely use to accomplish this task?

A. A bridge B. A media converter C. A repeater D. A router

Answer : B

Question 241 (Single Topic)

After a critical power issue, the network team was not receiving UPS status notifications. The network team would like to be alerted on these status changes. Which of the following would be BEST to use for these notifications?

A. Traps B. MIB C. NetFlow

D. Syslog

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Users in a branch can access an in-house database server, but it is taking too long to fetch records. The analyst does not know whether the issue is being caused by network latency. Which of the following will the analyst MOST likely use to retrieve the metrics that are needed to resolve this issue?

A. SNMP B. Link state C. Syslog D. QoS E. Traffic shaping

Answer : E

Question 243 (Single Topic)



At which of the following OSI model layers does an IMAP client run?

A.	Layer 2
B.	Layer 4
C.	Laver 6

D. Layer 7

Answer : D

Question 244 (Single Topic)	, s ^{ite}
Which of the following would be the MOST cost-effective recovery solution for a company's lower-priority applications?	
A. Warm site B. Cloud site C. Hot site D. Cold site	
Answer : A	
Question 245 (Single Topic)	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Which of the following network devices can perform routing between VLANs?	
A. Layer 2 switch B. Layer 3 switch C. Load balancer D. Bridge	
Answer : B	
Question 246 (Single Topic)	, , 1 2
A network administrator wants to test the throughput of a new metro Ethernet circuit to verify that its performance matches the requirements specified in the SLA. Which of the following would BEST help measure the throughput?	
A. iPerf B. Ping C. NetFlow D. Netstat	
Answer : A	
Question 247 (Single Topic)	*
A Wi-Fi network was recently deployed in a new, multilevel building. Several issues are now being reported related to latency and drops in coverage. Which of the following is the FIRST step to troub issues?	leshoot the
A. Perform a site survey.	

B. Review the AP placement.C. Monitor channel utilization.D. Test cable attenuation.

Question 248 (Single Topic)



Which of the following is the primary function of the core layer of the three-tiered model?

A. Routing B. Repeating C. Bridging D. Switching

Answer : D

Question 249 (Single Topic)



An IT officer is installing a new WAP. Which of the following must the officer change to connect users securely to the WAP?

A. AES encryptionB. Channel to the highest frequency within the band

- C. TKIP encryption protocol D. Dynamic selection of the frequency

Answer : A

Question 250 (Single Topic)	, LÉ
To comply with an industry regulation, all communication destined to a secure server should be logged and archived on a storage device. Which of the following can be configured to fulfill this requirement?	
A. QoS traffic classification B. Port mirroring C. Flow control D. Link Aggregation Control Protocol	
Answer : B	
Question 251 (Single Topic)	, ^{it}
Which of the following routing protocols is generally used by major ISPs for handling large-scale internet traffic?	
A. RIP B. EIGRP C. OSPF	
D. BGP	
Answer : D	
Question 252 (Single Topic)	, K
A technician is consolidating a topology with multiple SSIDs into one unique SSID deployment. Which of the following features will be possible after this new configuration?	
A. Seamless roaming B. Basic service set C. WPA D. MU-MIMO	
Answer : A	
Question 253 (Single Topic)	

Which of the following is used to provide disaster recovery capabilities to spin up all critical devices using internet resources?

A. Cloud site B. Hot site C. Cold site D. Warm site

Answer : A	
Question 254 (Single Topic)	×
Which of the following attack vectors represents a large number of devices sending access requests to a website, making it unavailable to respond?	
A. Virus B. Botnet C. ARP spoofing D. DDoS	
Answer : D	

Question 255 (Single Topic)



Several end users viewing a training video report seeing pixelated images while watching. A network administrator reviews the core switch and is unable to find an immediate cause. Which of the following BEST explains what is occurring?

A. Jitter B. Bandwidth

C. Latency

D. Giants

Answer : B

Question 256 (Single Topic)

An international company is transferring its IT assets, including a number of WAPs, from the United States to an office in Europe for deployment. Which of the following considerations should the company research before implementing the wireless hardware?

A. WPA2 cipher

B. Regulatory impacts C. CDMA configuration

D. 802.11 standards

Answer : B

Question 257 (Single Topic)

A company is moving to a new building designed with a guest waiting area that has existing network ports. Which of the following practices would BEST secure the network?

A. Ensure all guests sign an NDA.

B. Disable unneeded switchports in the area.

C. Lower the radio strength to reduce Wi-Fi coverage in the waiting area.

D. Enable MAC filtering to block unknown hardware addresses.

Answer : B

Question 258 (Single Topic)

A network technician receives a support ticket about an employee who has misplaced a company-owned cell phone that contains private company information. Which of the following actions should the network technician take to prevent data loss?

A. Disable the user account.

B. Lock the phone.

C. Turn off the service.

D. Execute remote wipe.

Answer : D

Question 259 (Single Topic)

A network technician is having issues connecting an IoT sensor to the internet. The WLAN settings were entered via a custom command line, and a proper IP address assignment was received on the wireless interface. However, when trying to connect to the internet, only HTTP redirections are being received when data is requested. Which of the following will point to the root cause of the issue?

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B. Verifying if a captive portal is active for the WLAN.C. Verifying the minimum RSSI for operation in the device's documentation.D. Verifying EIRP power settings on the access point.

Answer: B

Question 260 (Single Topic)

Which of the following topologies requires the MOST connections when designing a network?

A. Mesh

B. Star

C. Bus

D. Ring

Answer : A	
Question 261 (Single Topic)	×
A technician removes an old PC from the network and replaces it with a new PC that is unable to connect to the LAN. Which of the following is MOST likely the cause of the issue? A. Port security B. Port tagging C. Port aggregation D. Port mirroring	
Answer : A	
Question 262 (Single Topic)	я ^{кс}
A medical building offers patients Wi-Fi in the waiting room. Which of the following security features would be the BEST solution to provide secure connections and keep the medical data protected? A. Isolating the guest network B. Securing SNMP C. MAC filtering D. Disabling unneeded switchports	
Answer : A	
Question 263 (Single Topic)	×
	× -
Question 263 (Single Topic) An administrator notices that after contact with several switches in an MDF they failed due to electrostatic discharge. Which of the following sensors should the administrator deploy to BEST monitor s	× -
Question 263 (Single Topic) An administrator notices that after contact with several switches in an MDF they failed due to electrostatic discharge. Which of the following sensors should the administrator deploy to BEST monitor sconditions in the MDF? A. Temperature B. Humidity C. Smoke	× -
Question 263 (Single Topic) An administrator notices that after contact with several switches in an MDF they failed due to electrostatic discharge. Which of the following sensors should the administrator deploy to BEST monitor sconditions in the MDF? A. Temperature B. Humidity C. Smoke D. Electrical	× -
Question 263 (Single Topic) An administrator notices that after contact with several switches in an MDF they failed due to electrostatic discharge. Which of the following sensors should the administrator deploy to BEST monitor a conditions in the MDF? A. Temperature B. Humidity C. Smoke D. Electrical	× -
Question 263 (Single Topic) An administrator notices that after contact with several switches in an MDF they failed due to electrostatic discharge. Which of the following sensors should the administrator deploy to BEST monitor store of the following sensors should the administrator deploy to BEST monitor store administrator deploy to BEST monito	× -



Two network technicians are installing a fiber-optic link between routers. The technicians used a light meter to verify the correct fibers. However, when they connect the fibers to the router interface, the link does not connect. Which of the following would explain the issue? (Choose two.)

A. They used the wrong type of fiber transceiver.B. Incorrect TX/RX polarity exists on the link.C. The connection has duplexing configuration issues.D. Halogen light fixtures are causing interference.E. One of the technicians installed a loopback adapter.F. The RSSI was not strong enough on the link.

Answer : AB

Which of the following protocols would enable a company to upgrade its internet connection by acquiring its own public IP prefixes and autonomous system number?

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Answer : A

A network technician is performing tests on a potentially faulty network card that is installed in a server. Which of the following addresses will MOST likely be used during traffic diagnostic tests?

A. 10.10.10.10 B. 127.0.0.1 C. 192.168.0.1 D. 255.255.255.0

Answer : C

Question 268 (Single Topic)	×
An administrator would like to create a fault-tolerant ring between three switches within a Layer 2 network. Which of the following Ethernet features should the administrator employ?	
A. Spanning Tree Protocol B. Open Shortest Path First C. Port mirroring D. An interior gateway protocol	
Answer : A	
Question 269 (Single Topic)	×K
During a risk assessment, which of the following should be considered when planning to mitigate high CPU utilization of a firewall?	
A. Recovery time objective B. Uninterruptible power supply C. NIC teaming D. Load balancing	
Answer : A	
Question 270 (Single Topic)	, s ^{ite}
A network engineer is monitoring a fiber uplink to a remote office and notes the uplink has been operating at 100% capacity for a long duration. Which of the following performance metrics is MOS impacted with sustained link saturation?	ST likely to be
A. Latency B. Jitter	

C. Speed



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Which of the following would be used to adjust resources dynamically for a virtual web server under variable loads?

A. Elastic computingB. Scalable networkingC. Hybrid deploymentD. Multitenant hosting

Answer : A

Question 272 (Single Topic)

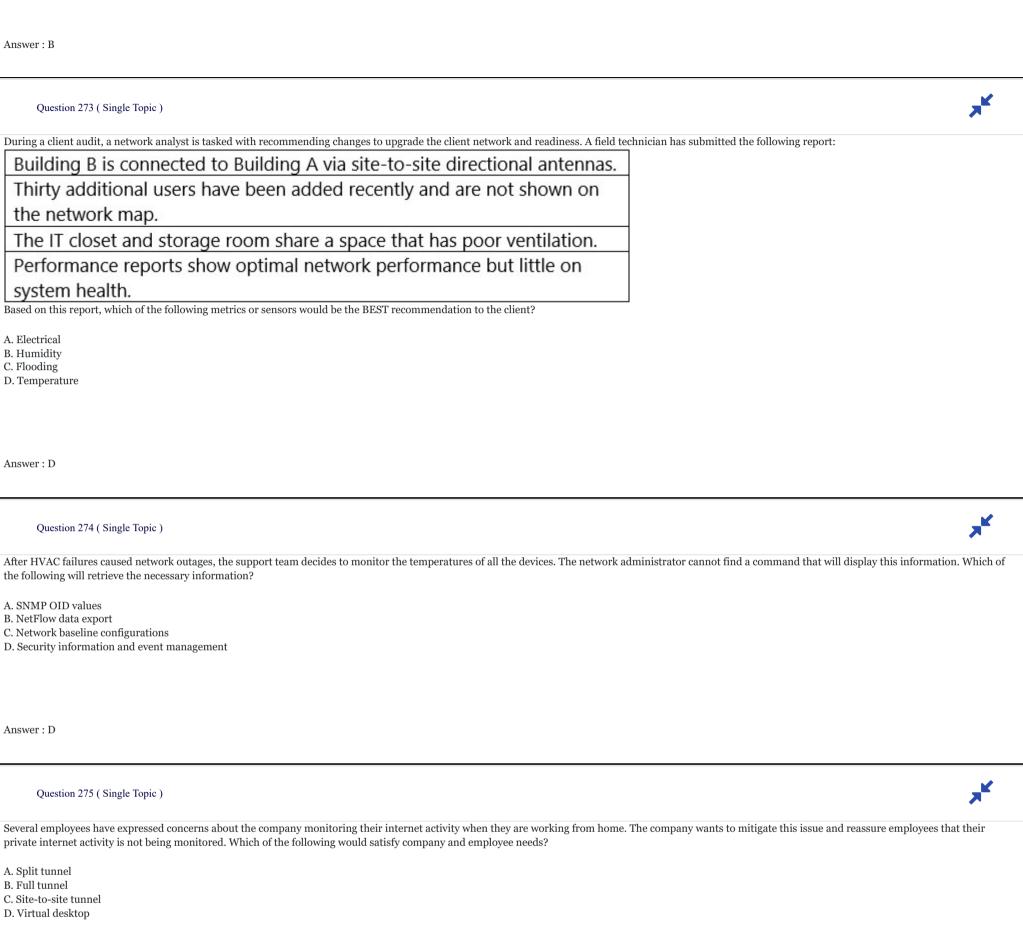


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A technician discovered that some information on the local database server was changed during a file transfer to a remote server. Which of the following should concern the technician the MOST?

A. Confidentiality B. Integrity C. DDoS D. On-path attack

Answer : B





A company needs a redundant link to provide a channel to the management network in an incident response scenario. Which of the following remote access methods provides the BEST solution?

A. Out-of-band access

B. Split-tunnel connections

C. Virtual network computing

D. Remote desktop gateways

Answer : A

Question 277 (Single Topic)

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An engineer is gathering data to determine the effectiveness of UPSs in use at remote retail locations. Which of the following statistics can the engineer use to determine the availability of the remote network equipment?

A. Uptime
B. NetFlow baseline

- C. SNMP traps
- D. Interface statistics

Answer : A	
Question 278 (Single Topic)	, ^{je}
Which of the following can be used to decrease latency during periods of high utilization of a firewall?	
A. Hot site B. NIC teaming C. HA pair D. VRRP	
Answer : B	
Question 279 (Single Topic)	×
A network administrator needs to configure a server to use the most accurate NTP reference available. Which of the following NTP devices should the administrator select?	
A. Stratum 1 B. Stratum 2 C. Stratum 3 D. Stratum 4	
Answer : A	
Question 280 (Single Topic)	×
Which of the following devices is used to configure and centrally manage access points installed at different locations?	
A. Wireless controller B. Load balancer C. Proxy server D. VPN concentrator	
Answer : A	
Question 281 (Single Topic)	*
A user reports that a new VoIP phone works properly, but the computer that is connected to the phone cannot access any network resources. Which of the following MOST likely needs to be configured constrained provide network connectivity to the computer?	prrectly to
A. Port duplex settings B. Port aggregation C. ARP settings D. VLAN tags E. MDIX settings	

Question 282 (Single Topic)	, 1
A technician is investigating packet loss to a device that has varying data bursts throughout the day. Which of the following will the technician MOST likely configure to resolve the issue?	
A. Flow control	
B. Jumbo frames	
C. Duplex	
D. Port mirroring	
Answer : B	
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Question 283 (Single Topic)	—

Which of the following connector types would be used to connect to the demarcation point and provide network access to a cable modem?

A. F-type B. RJ45 C. LC

C. LC D. RJ11

Answer : D	
Question 284 (Single Topic)	×K.
Which of the following provides guidance to an employee about restricting non-business access to the company's videoconferencing solution?	
 A. Acceptable use policy B. Data loss prevention C. Remote access policy D. Standard operating procedure 	
Answer : A	
Question 285 (Single Topic)	×
Which of the following would MOST likely utilize PoE?	
A. A camera B. A printer C. A hub D. A modem	
Answer : C	
Question 286 (Single Topic)	, , **
A security administrator is trying to prevent incorrect IP addresses from being assigned to clients on the network. Which of the following would MOST likely prevent this and allow the network	to continue to operate?
A. Configuring DHCP snooping on the switch B. Preventing broadcast messages leaving the client network C. Blocking ports 67/68 on the client network D. Enabling port security on access ports	
Answer : A	
Question 287 (Single Topic)	, x K
Which of the following can have multiple VLAN interfaces?	
A Hub	

A. Hub B. Layer 3 switch C. Bridge D. Load balancer

Question 288 (Single Topic)



A network technician needs to ensure that all files on a company's network can be moved in a safe and protected manner without interception from someone who is not the intended recipient. Which of the following would allow the network technician to meet these requirements?

A. FTP B. TFTP C. SMTP D. SFTP

Answer : D

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Question 289 (Single Topic)		, x K
A device is connected to a managed Layer 3 network switch. The Which of the following features of a Layer 3 network switch sho	he MAC address of the device is known, but the static IP address assigned to the device is not. ould be used to determine the IPv4 address of the device?	
A. MAC table B. Neighbor Discovery Protocol C. ARP table D. IPConfig E. ACL table		
E. ACL table		
Answer : C		
Question 290 (Single Topic)		×
Which of the following is the IEEE link cost for a Fast Ethernet	t interface in STP calculations?	
A. 2 B. 4		
C. 19 D. 100		
Answer : C		
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Question 291 (Single Topic)		X
	ing OSI model layers ensures the initiation, coordination, and termination of the call?	
A. Session B. Physical C. Transport		
D. Data link		
Answer : A		
Question 292 (Single Topic)		, 1 4
A network administrator received a report stating a critical vul	nerability was detected on an application that is exposed to the internet. Which of the following is the appropriate NEXT step?	
A. Check for the existence of a known exploit in order to assess B. Immediately shut down the vulnerable application server.	; the risk.	
C. Install a network access control agent on the server. D. Deploy a new server to host the application.		
Answer : C		
Question 293 (Single Topic)		, x K
A company is utilizing multifactor authentication for data cent	ter access. Which of the following is the MOST effective security mechanism against physical intrusions due to stolen credentials?	

A. Biometrics security hardware B. Access card readers

C. Access control vestibule

Answer : A

Question 294 (Single Topic)

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A help desk technician is concerned that a client's network cable issues may be causing intermittent connectivity. Which of the following would help the technician determine if this is the issue?

A. Run the show interface command on the switch.B. Run the traceroute command on the server.C. Run iperf on the technician's desktop.D. Ping the client's computer from the router.E. Run a port scanner on the client's IP address.

Answer : A	
Question 295 (Single Topic)	, ^{jeć}
An ISP is unable to provide services to a user in a remote area through cable and DSL. Which of the following is the NEXT best solution to provide services without adding external infrastructure?	
A. Fiber B. Leased line C. Satellite D. Metro optical	
Answer : C	
Question 296 (Single Topic)	×
A new global ISP needs to connect from central offices in North America to the United Kingdom. Which of the following would be the BEST cabling solution for this project?	
A. Single-mode B. Coaxial C. Cat 6a D. Twinaxial	
Answer : A	
Question 297 (Single Topic)	, x K
A network engineer developed a plan of action to resolve an ongoing issue. Which of the following steps should the engineer take NEXT?	
 A. Verify full system functionality and implement preventative measures. B. Implement the solution to resolve the problem. C. Document findings, actions, outcomes, and lessons learned. D. Establish a theory of probable cause. 	
Answer : B	
Question 298 (Single Topic)	, s ^{id}
Which of the following documents would be used to define uptime commitments from a provider, along with details on measurement and enforcement?	
A. NDA B. SLA C. MOU D. AUP	

Switch 3 was recently added to an existing stack to extend connectivity to various parts of the network. After the update, new employees were not able to print to the main networked copiers from their workstations. Following are the port configurations for the switch stack in question:

Switch 1:

	Ports 1-12	Ports 13-24	Ports 25–36	Ports 37-44	Ports 45-48
Description	Workstations	Printers	Workstations	Wireless APs	Uplink
VLAN	20	60	20	80	20/60/80
Duplex	Full	Full	Full	Full	Full
Status	Active	Active	Active	Active	Active

Switch 2:

	Ports 1-12	Ports 13-24	Ports 25-36	Ports 37-44	Ports 45-48
Description	Workstations	Printers	Workstations	Wireless APs	Uplink
VLAN	20	60	20	80	20/60/80
Duplex	Full	Full	Full	Full	Full
Status	Active	Active	Shut down	Active	Active

Switch 3:

	Ports 1-12	Ports 13-24	Ports 25-36	Ports 37-44	Ports 45-48
Description	Workstations	Printers	Workstations	Wireless APs	Uplink
VLAN	20	80	20	80	20/60/80
Duplex	Full	Full	Full	Full	Full
Status	Active	Shut down	Shut down	Shut down	Active

Which of the following should be configured to resolve the issue? (Choose two.)

A. Enable the printer ports on Switch 3.

B. Reconfigure the duplex settings on the printer ports on Switch 3.

C. Reconfigure the VLAN on all printer ports to VLAN 20.

D. Enable all ports that are shut down on the stack.

E. Reconfigure the VLAN on the printer ports on Switch 3.

F. Enable wireless APs on Switch 3.

Answer : AB

Question 300 (Single Topic)

A network administrator is setting up a new phone system and needs to define the location where VoIP phones can download configuration files. Which of the following DHCP services can be used to accomplish this task?

A. Scope options

B. Exclusion ranges

C. Lease time

D. Relay

Answer : A

Question 301 (Single Topic)

An engineer needs to restrict the database servers that are in the same subnet from communicating with each other. The database servers will still need to communicate with the application servers in a different subnet. In some cases, the database servers will be clustered, and the servers will need to communicate with other cluster members. Which of the following technologies will be BEST to use to implement this filtering without creating rules?

A. Private VLANsB. Access control listsC. FirewallsD. Control plane policing

Answer : A

Question 302 (Single Topic)

A technician was cleaning a storage closet and found a box of transceivers labeled 8Gbps. Which of the following protocols uses those transceivers?

A. Coaxial over Ethernet B. Internet Small Computer Systems Interface C. Fibre Channel

D. Gigabit interface converter



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A customer wants to log in to a vendor's server using a web browser on a laptop. Which of the following would require the LEAST configuration to allow encrypted access to the server?

A. Secure Sockets LayerB. Site-to-site VPNC. Remote desktop gatewayD. Client-to-site VPN

Answer: A

Question 304 (Single Topic)



A user calls the IT department to report being unable to log in after locking the computer. The user resets the password, but later in the day the user is again unable to log in after locking the computer. Which of the following attacks against the user is MOST likely taking place?

- A. Brute-force
- B. On-path
- C. Deauthentication
- D. Phishing

Answer : C

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Question 305 (Single Topic)

A network administrator determines that even when optimal wireless coverage is configured, the network users still report constant disconnections. After troubleshooting, the administrator determines that moving from one location to another causes the disconnection. Which of the following settings should provide better network stability?

A. Client association timeout

- B. RSSI roaming threshold
- C. RF attenuation ratio

D. EIRP power setting

Answer : B

Question 306 (Single Topic)	×
At which of the following layers of the OSI model will the administrator MOST likely start to troubleshoot when a network is experiencing a number of CRC errors?	
A. Layer 1 B. Layer 2 C. Layer 3 D. Layer 4 E. Layer 5 F. Layer 6 G. Layer 7	
Answer : A	
Question 307 (Single Topic)	, a ^{ld}
Which of the following uses the link-state routing algorithm and operates within a single autonomous system?	
A. EIGRP B. OSPF C. RIP D. BGP	

Answer : B

Question 308 (Single Topic)

A network administrator is designing a wireless network. The administrator must ensure a rented office space has a sufficient signal. Reducing exposure to the wireless network is important, but it is secondary to the primary objective. Which of the following would MOST likely facilitate the correct accessibility to the Wi-Fi network?

A. Polarization

B. Channel utilization

C. Channel bonding D. Antenna type

E. MU-MIMO

Question 309 (Single Topic)

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An office area contains two PoE-enabled WAPs. After the area was remodeled, new cable uplinks were installed in the ceiling above the fluorescent lights. However, after the WAPs were reconnected, users reported slowness and application errors. An intern reviewed the network and discovered a lot of CRC errors. A network engineer reviewed the intern's work and realized UTP cabling was used. Which of the following is the MOST likely cause of the CRC errors?

A. Insufficient power at the antennasB. PoE and UTP incompatibilityC. Electromagnetic interferenceD. Wrong cable pinout

Answer : B

Question 310 (Single Topic)	7 ¹⁶
Several users with older devices are reporting intermittent connectivity while in an outdoor patio area. After some research, the network administrator determines that an outdoor WAP	might help with the issue.
However, the company does not want the signal to bleed into the building and cause interference. Which of the following should the network administrator perform to BEST resolve the	issue?
 A. Disable the SSID broadcast on the WAP in the patio area. B. Install a WAP and enable 5GHz only within the patio area. C. Install a directional WAP in the direction of the patio. D. Install a repeater on the back wall of the patio area. 	
Answer : C	
Question 311 (Single Topic)	×
Which of the following is most likely to have the HIGHEST latency while being the most accessible?	
A. Satellite B. DSL	
C. Cable	
D. 4G	
Answer : A	
Question 312 (Single Topic)	×K
Which of the following is used to elect an STP root?	
A. A bridge ID	
B. A bridge protocol data unit C. Interface port priority	
D. A switch's root port	
An an an a D	
Answer : B	
Question 313 (Single Topic)	 >
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Which of the following commands can be used to display the IP address, subnet address, gateway address, and DNS address on a Windows computer?	
A. netstat -a B. ifconfig C. ip addr D. ipconfig /all	
Answer : D	

A user calls the help desk to report being unable to reach a file server. The technician logs in to the user's computer and verifies that pings fail to respond back when trying to reach the file server. Which of the following would BEST help the technician verify whether the file server is reachable?

B. ipconfig C. nslookup D. traceroute

An employee reports	to a network admi	nistrator that	internet access	s is not working.	. Which of the f	ollow
A. Establish a theory	of probable cause.					
B. Identify symptom	s.					
C. Determine if anyt	hing has changed.					
D. Ask the user to re	start the computer.					

Answer : D

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ving should the administrator do FIRST?
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Answer : C

Question 316 (Single Topic)

A security engineer is installing a new IDS on the network. The engineer has asked a network administrator to ensure all traffic entering and leaving the router interface is available for the IDS. Which of the following should the network administrator do?

A. Install a network tap for the IDS.

B. Configure ACLs to route traffic to the IDS.

C. Install an additional NIC into the IDS.

D. Install a loopback adapter for the IDS.

E. Add an additional route on the router for the IDS.

Answer: A

Question 317 (Single Topic)

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An employee working in a warehouse facility is experiencing interruptions in mobile applications while walking around the facility. According to a recent site survey, the WLAN comprises autonomous APs that are directly connected to the internet, providing adequate signal coverage. Which of the following is the BEST solution to improve network stability?

A. Implement client roaming using an extended service deployment employing a wireless controller.

B. Remove omnidirectional antennas and adopt a directional bridge.

C. Ensure all APs of the warehouse support MIMO and Wi-Fi 4.

D. Verify that the level of EIRP power settings is set to the maximum permitted by regulations.

Answer : A

Question 318 (Single Topic)

Which of the following will reduce routing table lookups by performing packet forwarding decisions independently of the network layer header?

A. MPLS B. mGRE C. EIGRP D. VRRP

Answer: A

Question 319 (Single Topic)

While walking from the parking lot to an access-controlled door, an employee sees an authorized user open the door. Then the employee notices that another person catches the door before it closes and goes inside. Which of the following attacks is taking place?

A. Tailgating

- B. Piggybacking
- C. Shoulder surfing
- D. Phishing



Given the following information:

Connection	Cable length	Cable type	Configuration
PC A to switch 1	394ft (120m)	Cat 5	Straight through
Switch 1 to switch 2	3.3ft (1m)	Cat 6	Crossover
Switch 2 to PC B	16ft (5m)	Cat 5	Straight through

Which of the following would cause performance degradation between PC A and PC B?

A. Attenuation

B. Interference

C. Decibel loss

D. Incorrect pinout

Answer : C	
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Question 321 (Single Topic)

An engineer recently decided to upgrade the firmware on a router. During the upgrade, the help desk received calls about a network outage, and a critical ticket was opened. The network manager would like to create a policy to prevent this from happening in the future. Which of the following documents should the manager create?

- A. Change management
- B. Incident response
- C. Standard operating procedure
- D. System life cycle

Answer : A

Question 322 (Single Topic)

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A technician is deploying a new SSID for an industrial control system. The control devices require the network to use encryption that employs TKIP and a symmetrical password to connect. Which of the following should the technician configure to ensure compatibility with the control devices?

A. WPA2-Enterprise B. WPA-Enterprise C. WPA-PSK D. WPA2-PSK

Answer : D

Question 323 (Single Topic)

Which of the following ports should be used to securely receive mail that is synchronized across multiple devices?

A. 25 B. 110 C. 443 D. 993

Answer : D

Question 324 (Single Topic)

A network administrator is getting reports of some internal users who cannot connect to network resources. The users state they were able to connect last week, but not today. No changes have been configured on the network devices or server during the last few weeks. Which of the following is the MOST likely cause of the issue?

A. The client DHCP scope is fully utilized.

- B. The wired network is experiencing electrical interference.
- C. The captive portal is down and needs to be restarted.
- D. SNMP traps are being received.
- E. The packet counter on the router interface is high.

Answer : A



A network administrator needs to provide evidence to confirm that recent network outages were caused by increased traffic generated by a recently released application. Which of the following actions will BEST support the administrator's response?

A. Generate a network baseline report for comparison.B. Export the firewall traffic logs.C. Collect the router's NetFlow data.D. Plot interface statistics for dropped packets.

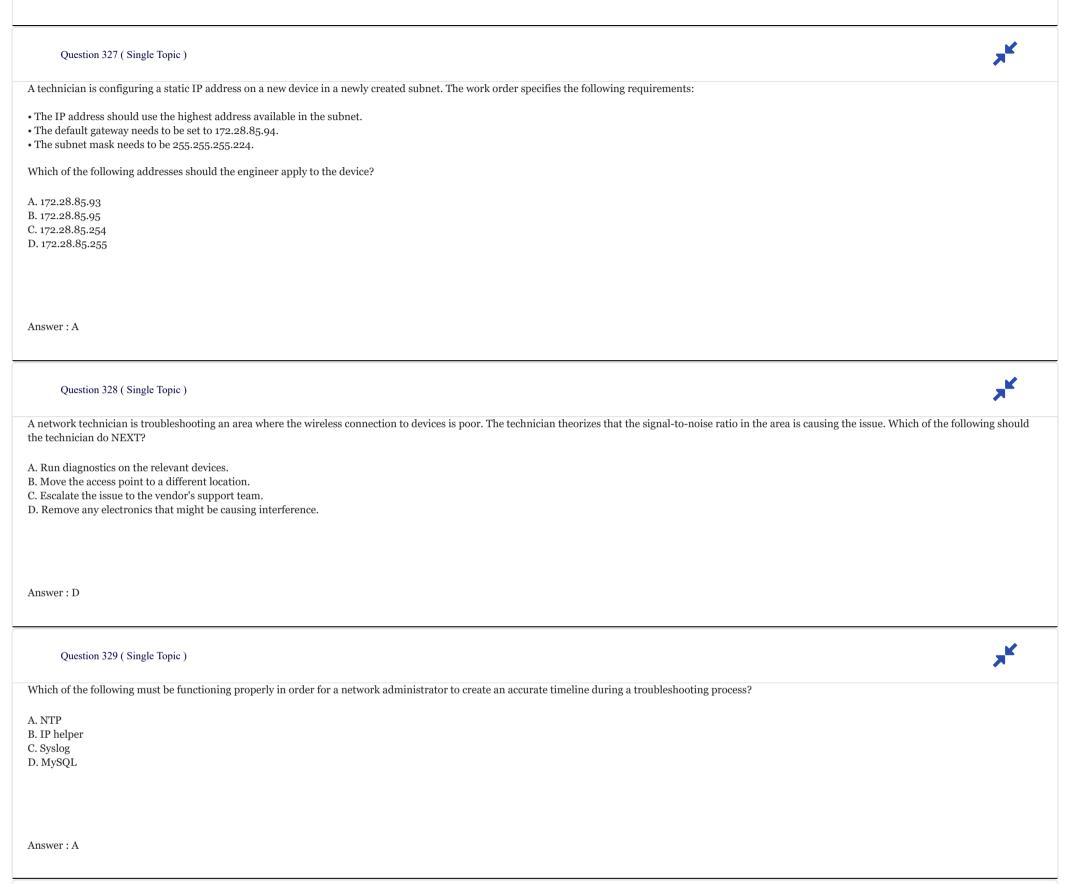
Answer : C

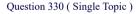
Question 326 (Single Topic)

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During a recent security audit, a contracted penetration tester discovered the organization uses a number of insecure protocols. Which of the following ports should be disallowed so only encrypted protocols are allowed? (Choose two.)

A. 22 B. 23 Answer : BC





A large metropolitan city is looking to standardize the ability for police department laptops to connect to the city government's VPN. The city would like a wireless solution that provides the largest coverage across the city with a minimal number of transmission towers. Latency and overall bandwidth needs are not high priorities. Which of the following would BEST meet the city's needs?

A. 5G B. LTE C. Wi-Fi 4

D. Wi-Fi 5 E. Wi-Fi 6
Answer : B
Question 331 (Single Topic)
 Which of the following physical security methods is the MOST effective to prevent tailgating? A. Biometrics in an access control vestibule B. IP cameras with motion detection C. Smart lockers with tamper protection D. Badge readers plus a PIN pad

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Answer : A

Question 332 (Single Topic)

A network client is trying to connect to the wrong TCP port. Which of the following responses would the client MOST likely receive?

- A. RST B. FIN
- C. ICMP Time Exceeded
- D. Redirect

Answer : A

Question 333 (Single Topic)

A company's data center is hosted at its corporate office to ensure greater control over the security of sensitive data. During times when there are increased workloads, some of the company's non-sensitive data is shifted to an external cloud provider. Which of the following cloud deployment models does this describe?

A. Hybrid

B. Community

C. Public

D. Private

Answer: A

Question 334 (Single Topic)

A network engineer needs to create a subnet that has the capacity for five VLANs, with the following number of clients to be allowed on each:

VLAN 10	50 users	
VLAN 20	35 users	
VLAN 30	20 users	
VLAN 40	75 users	
VLAN 50	130 users	

Which of the following is the SMALLEST subnet capable of this setup that also has the capacity to double the number of clients in the future?

A. 10.0.0/21 B. 10.0.0.0/22 C. 10.0.0.0/23 D. 10.0.0.0/24

Answer : C

Question 335 (Single Topic)

A network technician is selecting a replacement for a damaged fiber cable that goes directly to an SFP transceiver on a network switch. Which of the following cable connectors should be used?

A. RJ45 B. LC C. MT D. F-type



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Question 336 (Single Topic)



A company is deploying a SAN at headquarters and a branch office 1,000mi (1,609km) away that will access small amounts of data. Which of the following types of connections would be MOST cost effective to implement?

A. iSCSI B. FCoE C. Ethernet D. FC

Answer : B

Question 337 (Single Topic)



A company wants to add a local redundant data center to its network in case of failure at its primary location. Which of the following would give the LEAST amount of redundancy for the company's network?

- A. Cold site B. Hot site C. Cloud site
- D. Warm site
- D. Warm Site

Answer : A

Question 338 (Single Topic)

A new student is given credentials to log on to the campus Wi-Fi. The student stores the password in a laptop and is able to connect: however, the student is not able to connect with a phone when only a short distance from the laptop. Given the following information:

Signal strength	90%
Coverage	80%
Interference	15%
Number of connection attempts	10

Which of the following is MOST likely causing this connection failure?

A. Transmission speed

- B. Incorrect passphrase
- C. Channel overlap
- D. Antenna cable attenuation/signal loss

Answer : B

Question 339 (Single Topic)

A technician manages a DHCP scope but needs to allocate a portion of the scope's subnet for statically assigned of	evices. Which of the following DHCP concepts would be BEST to use to prevent IP address conflicts?

A. Dynamic assignment

- B. Exclusion range
- C. Address reservation
- D. IP helper

Answer : C

Question 340 (Single Topic)

Due to a surge in business, a company is onboarding an unusually high number of salespeople. The salespeople are assigned desktops that are wired to the network. The last few salespeople to be onboarded are able to access corporate materials on the network but not sales-specific resources. Which of the following is MOST likely the cause?

A. The switch was configured with port security.

B. Newly added machines are running into DHCP conflicts.

C. The IPS was not configured to recognize the new users.

D. Recently added users were assigned to the wrong VLAN



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Question 341 (Single Topic)

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A technician wants to monitor and provide traffic segmentation across the network. The technician would like to assign each department a specific identifier. Which of the following will the technician MOST likely use?

A. Flow controlB. Traffic shapingC. VLAN taggingD. Network performance baselines

Answer: A

Question 342 (Single Topic)



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Network users reported that a recent firmware upgrade to a firewall did not resolve the issue that prompted the upgrade. Which of the following should be performed NEXT?

A. Reopen the service ticket, request a new maintenance window, and roll back to the anterior firmware version.

- B. Gather additional information to ensure users' concerns are not been caused by a different issue with similar symptoms.
- C. Employ a divide-and-conquer troubleshooting methodology by engaging the firewall vendor's support.
- D. Escalate the issue to the IT management team in order to negotiate a new SLA with the user's manager.

Answer: A

Question 343 (Single Topic)

An administrator would like to allow Windows clients from outside the office to access workstations without using third-party software. Which of the following access methods would meet this requirement?

A. Remote desktop gateway B. Split tunnel C. Site-to-site VPN D. VNC

Answer : A

Question 344 (Single Topic)

A client who shares office space and an IT closet with another company recently reported connectivity issues throughout the network. Multiple third-party vendors regularly perform on-site maintenance in the shared IT closet. Which of the following security techniques would BEST secure the physical networking equipment?

A. Disabling unneeded switchports

B. Implementing role-based access

C. Changing the default passwords

D. Configuring an access control list

Answer: B

Question 345 (Single Topic)

A network engineer is investigating issues on a Layer 2 switch. The department typically shares a switchport during meetings for presentations, but after the first user shares, no other users can connect. Which of the following is MOST likely related to this issue?

A. Spanning Tree Protocol is enabled on the switch.

B. VLAN trunking is enabled on the switch.

C. Port security is configured on the switch.

D. Dynamic ARP inspection is configured on the switch.

Answer : C

Question 346 (Single Topic)

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A company's primary ISP is experiencing an outage. However, the network administrator notices traffic continuing to flow through a secondary connection to the same ISP. Which of the following BEST describes this configuration?

A. Diverse paths

B. Load balancing

C. Multipathing D. Virtual Router Redundancy Protocol

Question 347 (Single Topic)



A network technician replaced a switch and needs to reconfigure it to allow the connected devices to connect to the correct networks.

INSTRUCTIONS -

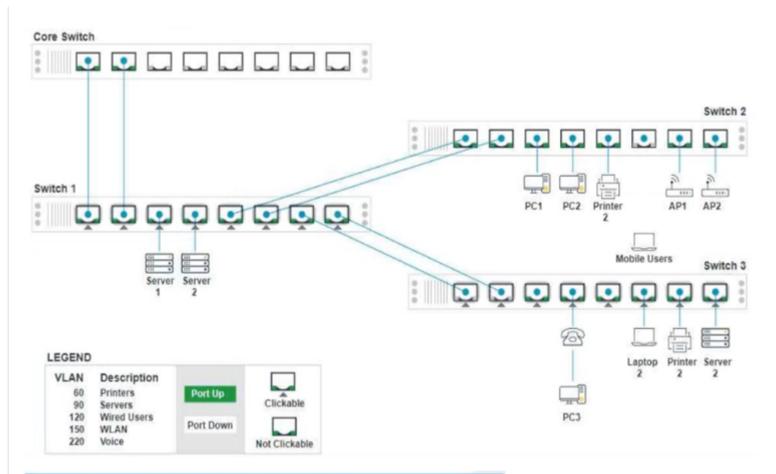
Click on the appropriate port(s) on Switch 1 and Switch 3 to verify or reconfigure the correct settings:

- · Ensure each device accesses only its correctly associated network
- Disable all unused switch ports
- Require fault-tolerant connections between the switches
- Only make necessary changes to complete the above requirements

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

https://www.itexams.com/exam/N10-008?viewall=1





Port Enabled Speed O Auto O 100 1000 Duplex O Auto O Half Full ULAN Configuration VLAN Configuration VLAN 1 VLAN 1 VLAN 1 VLAN 60 VLAN 90 VLAN 120 VLAN 150 VLAN 150 VLAN 220 VLAN 220 VLAN 220 VLAN 220	Status	Wired
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Reset to Default	Save Close

Answer : See explanation below.

Explanation:

To reconfigure the switch, the technician needs to click on the appropriate port(s) on Switch 1 and Switch 3. The technician should ensure that each device only has access to its correctly associated network. The technician should also disable all unused switch ports. Finally, the technician should require fault-tolerant connections between the switches. If at any time the technician wants to bring back the initial state of the simulation, they can click on the Reset All button.

Question 348 (Single Topic)

A company's web server is hosted at a local ISP. This is an example of:

A. colocation.B. an on-premises data center.C. a branch office.D. a cloud provider.

Answer : B

Question 349 (Single Topic)



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A network administrator is preparing answers for an annual risk assessment that is required for compliance purposes. Which of the following would be an example of an internal threat?

A. An approved vendor with on-site offices

B. An infected client that pulls reports from the firm

C. A malicious attacker from within the same country

D. A malicious attacker attempting to socially engineer access into corporate offices

Question 350 (Single Topic)

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Classification using labels according to information sensitivity and impact in case of unauthorized access or leakage is a mandatory component of:

A. an acceptable use policy.B. a memorandum of understanding.C. data loss prevention.D. a non-disclosure agreement.

Answer : C

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A technician is trying to install a VoIP phone, but the phone is not turning on. The technician checks the cable going from the phone to the switch, and the cable is good. Which of the following actions is needed for this phone to work?

A. Add a PoE injector.B. Enable MDIX.C. Use a crossover cable.D. Reconfigure the port.

Question 351 (Single Topic)

Answer : A

Question 352 (Single Topic)

Which of the following is MOST appropriate for enforcing bandwidth limits when the performance of an application is not affected by the use of buffering but is heavily impacted by packet drops?

A. Traffic shaping

B. Traffic policing C. Traffic marking

D. Traffic classification

Answer : B

Question 353 (Single Topic)

A client utilizes mobile tablets to view high-resolution images and videos via Wi-Fi within a corporate office building. The previous administrator installed multiple high-density APs with Wi-Fi 5, providing maximum coverage, but the measured performance is still below expected levels. Which of the following would provide the BEST solution?

A. Channel bonding

B. EIRP power settings

C. Antenna polarization

D. A directional antenna

Answer : D

Question 354 (Single Topic)

A network technician is troubleshooting a new web server connectivity issue. The network technician discovers the following on the support ticket:

• The server's IP address can be pinged from the client PCs.

• Access to the web resource works correctly when on the server's console.

• No clients can access the server's data via URL.

• The server does not have a firewall configured.

• No ACLs are preventing connectivity from the client's network.

• All services on the server are operating normally, which was confirmed by the server team.

Which of the following actions will resolve the issue?

A. Reset port security on the switchport connecting the server.

B. Adjust the web server's NTP setting to match the client settings.

C. Configure A records for the web server.

D. Install the correct MIB on the web server.



A. Data link B. Network C. Transport

D. Session

Answer : A

Question 356 (Single Topic)

A technician is assisting a user who cannot connect to a website. The technician attempts to ping the default gateway and DNS server of the workstation. According to troubleshooting methodology, this is an example of:

A. a divide-and-conquer approach.

- B. a bottom-up approach.
- C. a top-to-bottom approach.
- D. implementing a solution.

Answer : C

Question 357 (Single Topic)

Which of the following is the NEXT step to perform network troubleshooting after identifying an issue?

A. Implement a solution.B. Establish a theory.C. Escalate the issue.

D. Document the findings.

Answer : B

Question 358 (Single Topic)	, and the second se
A network team is getting reports that air conditioning is out in an IDF. The team would like to determine whether additional network issues are occurring. Which of the following should the network	vork team do?
 A. Confirm that memory usage on the network devices in the IDF is normal. B. Access network baseline data for references to an air conditioning issue. C. Varifs analytical and the network memory and a network of the network of the network of the network of the network. 	
C. Verify severity levels on the corporate syslog server. D. Check for SNMP traps from a network device in the IDF. E. Review interface statistics looking for cyclic redundancy errors.	
Answer : B	

Question 359 (Single Topic)

Which of the following is the MOST cost-effective alternative that provides proper cabling and supports gigabit Ethernet devices?

A. Twisted cable with a minimum Cat 5e certification

B. Multimode fiber with an SC connector

C. Twinaxial cabling using an F-type connector

D. Cable termination using TIA/EIA-568-B

Answer : A

Question 360 (Single Topic)

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A technician is installing the Wi-Fi infrastructure for legacy industrial machinery at a warehouse. The equipment only supports 802.11a and 802.11b standards. Speed of transmission is the top business requirement. Which of the following is the correct maximum speed for this scenario?

A. 11Mbps B. 54Mbps

C. 128Mbps

D. 144Mbps

Question 361 (Single Topic)	**
Which of the following would be the BEST choice to connect branch sites to a main office securely?	
A. VPN headend B. Proxy server C. Bridge D. Load balancer	
Answer : A	
Question 362 (Single Topic)	, , , , , , , , , , , , , , , , , , ,
the://www.itexame.com/exam/N10_0082viewall=1	7

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Due to concerns around single points of failure, a company decided to add an additional WAN to the network. The company added a second MPLS vendor to the current MPLS WAN and deployed an additional WAN router at each site. Both MPLS providers use OSPF on the WAN network, and EIGRP is run internally. The first site to go live with the new WAN is successful, but when the second site is activated significant network issues occur. Which of the following is the MOST likely cause for the WAN instability?

A. A CDP neighbor has changedB. Asymmetrical routingC. A switching loopD. An incorrect IP address

Answer : B

Question 363 (Single Topic)
During the troubleshooting of an E1 line, the point-to-point link on the core router was accidentally unplugged and left unconnected for several hours. However, the network management team was not notified. Which of the following could have been configured to allow early detection and possible resolution of the issue?
A. Traps B. MIB C. OID D. Baselines
Answer : D
Question 364 (Single Topic)
Which of the following layers of the OSI model receives data from the application layer and converts it into syntax that is readable by other devices on the network? A. Layer 1 B. Layer 3 C. Layer 6 D. Layer 7
Answer : C
Question 365 (Single Topic)
Which of the following topologies is designed to fully support applications hosted in on-premises data centers, public or private clouds, and SaaS services? A. SDWAN B. MAN C. PAN D. MPLS
Answer : A
Question 366 (Single Topic)
A Chief Executive Officer and a network administrator came to an agreement with a vendor to purchase new equipment for the data center. A document was drafted so all parties would be informed about the scope of

A Chief Executive Officer and a network administrator came to an agreement with a vendor to purchase new equipment for the data center. A document was drafted so all parties would be informed about the scope of the project before it started. Which of the following terms BEST describes the document used?

A. Contract

B. Project charter

C. Memorandum of understanding D. Non-disclosure agreement

Answer : B
Question 367 (Single Topic)
ARP spoofing would normally be a part of:
A. an on-path attack. B. DNS poisoning. C. a DoS attack. D. a rogue access point.

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Answer: A

Question 368 (Single Topic)

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A corporation is looking for a method to secure all traffic between a branch office and its data center in order to provide a zero-touch experience for all staff members who work there. Which of the follo BEST meet this requirement? A. Site-to-site VPN B. VNC C. Remote desktop gateway D. Virtual LANs	wing would
Answer : A	
Question 369 (Single Topic)	×
A company cell phone was stolen from a technician's vehicle. The cell phone has a passcode, but it contains sensitive information about clients and vendors. Which of the following should also be enable A. Factory reset B. Autolock C. Encryption D. Two-factor authentication	ed?
Answer : C	
Question 370 (Single Topic)	R
An organization is interested in purchasing a backup solution that supports the organization's goals. Which of the following concepts would specify the maximum duration that a given service can be do impacting operations? A. MTTR B. RTO C. MTBF D. RPO	ıwn before
Answer : B	
Question 371 (Single Topic)	×
During an annual review of policy documents, a company decided to adjust its recovery time frames. The company agreed that critical applications can be down for no more than six hours, and the accel of data loss is no more than two hours. Which of the following should be documented as the RPO? A. Two hours B. Four hours C. Six hours D. Eight hours	ptable amount
Question 372 (Single Topic)	, K ^K

A network administrator is given the network 80.87.78.0/26 for specific device assignments. Which of the following describes this network?

A. 80.87.78.0 - 80.87.78.14 B. 80.87.78.0 - 80.87.78.110 C. 80.87.78.1 - 80.87.78.62 D. 80.87.78.1 - 80.87.78.158

Answer : B

Question 373 (Single Topic)

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An organization set up its offices so that a desktop is connected to the network through a VoIP phone. The VoIP vendor requested that voice traffic be segmented separately from non-voice traffic. Which of the following would allow the organization to configure multiple devices with network isolation on a single switch port?

A. Subinterfaces

B. Link aggregation C. Load balancing

D. Tunneling

Answer : A

Question 374 (Single Topic)

An attacker targeting a large company was able to inject malicious A records into internal name resolution servers. Which of the following attack types was MOST likely used?

- A. DNS poisoning B. On-path
- C. IP spoofing
- D. Rogue DHCP

Answer : A

Question 375 (Single Topic)

The following DHCP scope was configured for a new VLAN dedicated to a large deployment of 325 IoT sensors:

DHCP network scope:	10.10.0/24
Exclusion range:	10.10.10.1-10.10.10.10
Gateway:	10.10.0.1
DNS:	10.10.0.2
DHCP option 66(TFTP):	10.10.10.4
DHCP option 4(NTP):	10.10.10.5

The first 244 IoT sensors were able to connect to the TFTP server, download the configuration file, and register to an IoT management system. The other sensors are being shown as offline. Which of the following should be performed to determine the MOST likely cause of the partial deployment of the sensors?

A. Check the gateway connectivity to the TFTP server.

B. Check the DHCP network scope.

C. Check whether the NTP server is online.

D. Check the IoT devices for a hardware failure.

Answer : B

Question 376 (Single Topic)

A network technician receives a report from the server team that a server's network connection is not working correctly. The server team confirms the server is operating correctly except for the network connection. The technician checks the switchport connected to the server and reviews the following data:

Metric	Value
Bytes input	441,164,698
Bytes output	2,625,115,257
Runts	0
CRCs	5,489
Collisions	1
MDIX	On
Speed	1,000
Duplay	Evel



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Which of the following should the network technician perform to correct the issue?

A. Replace the Cat 5 patch cable with a Cat 6 cable.

B. Install a crossover cable between the server and the switch.

C. Reset the switchport configuration.

D. Use NetFlow data from the switch to isolate the issue.

E. Disable MDIX on the switchport and reboot the server.

Answer : C

Question 377 (Single Topic)

Which of the following would be BEST to install to find and block any malicious users within a network?

A. IDS

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m nμ B. IPS C. SCADA D. ICS Answer: B × Question 378 (Single Topic) Which of the following can be used to validate domain ownership by verifying the presence of pre-agreed content contained in a DNS record? A. SOA B. SRV C. AAA D. TXT Answer : D ,,K Question 379 (Single Topic) Network traffic is being compromised by DNS poisoning every time a company's router is connected to the internet. The network team detects a non-authorized DNS server being assigned to the network clients and remediates the incident by setting a trusted DNS server, but the issue occurs again after internet exposure. Which of the following best practices should be implemented on the router? A. Change the device's default password. B. Disable router advertisement guard. C. Activate control plane policing. D. Disable unneeded network services. Answer : C **ک**ر Question 380 (Single Topic) A network administrator installed a new data and VoIP network. Users are now experiencing poor call quality when making calls. Which of the following should the administrator do to increase VoIP performance? A. Configure a voice VLAN. B. Configure LACP on all VoIP phones. C. Configure PoE on the network. D. Configure jumbo frames on the network. Answer : A

Question 381 (Single Topic)

A Wi-Fi network was originally configured to be able to handle interference from a microwave oven. The microwave oven was recently removed from the office. Now the network administrator wants to optimize the system to maximize the range of the signal. The main sources of signal degradation are the numerous cubicles and wooden walls between the WAP and the intended destination. Which of the following actions should the administrator take?

A. Implement CDMA.

B. Change from omni to directional.

C. Change the SSID.

D. Change the frequency.

Question 382 (Single Topic)	,, st
Which of the following issues are present with RIPv2? (Choose two.)	
A. Route poisoning B. Time to converge C. Scalability D. Unicast E. Adjacent neighbors F. Maximum transmission unit	
Answer : AB	

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Question 383 (Single Topic)



A. SNMPv3 B. SSH C. Telnet D. IPSec E. ESP F. Syslog

Answer : BD

Question 384 (Single Topic)

An administrator wants to increase the availability of a server that is connected to the office network. Which of the following allows for multiple NICs to share a single IP address and offers maximum performance while providing fault tolerance in the event of a NIC failure?

- A. Multipathing
- B. Spanning Tree Protocol
- C. First Hop Redundancy Protocol
- D. Elasticity

Answer : A

Question 385 (Single Topic)

A network administrator has received calls every day for the past few weeks from three users who cannot access the network. The administrator asks all the users to reboot their PCs, but the same users still cannot access the system. The following day, three different users report the same issue, and the administrator asks them all to reboot their PCs; however, this does not fix the issue. Which of the following is MOST likely occurring?

A. Incorrect firewall settings B. Inappropriate VLAN assignment C. Hardware failure

- D. Overloaded CAM table in switch
- E. DHCP scope exhaustion

Answer : E

Question 386 (Single Topic)

A network administrator is investigating a network event that is causing all communication to stop. The network administrator is unable to use SSH to connect to the switch but is able to gain access using the serial console port. While monitoring port statistics, the administrator sees the following:

Total Rx (bps)	23,041,464	Total Tx (bps)	621,032
Unicast Rx (Pkts/sec)	102,465	Unicast Tx (Pkts/sec)	66
B/Mcast Rx (Pkts/sec)	21,456,465	B/Mcast Tx (Pkts/sec)	7
Utilization Rx	2.3%	Utilization Tx	0.06%







Which of the following is MOST likely causing the network outage?

A. Duplicate IP address B. High collisions C. Asynchronous route D. Switch loop

Answer : B

Question 387 (Single Topic)

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A network technician recently installed 35 additional workstations. After installation, some users are unable to access network resources. Many of the original workstations that are experiencing the network access issue were offline when the new workstations were turned on. Which of the following is the MOST likely cause of this issue?

A. Incorrect VLAN setting B. Insufficient DHCP scope C. Improper NIC setting

D. Duplicate IP address	
Answer : B	
Question 388 (Single Topic)	×K
A WAN technician reviews activity and identifies newly installed hardware that is causing outages over an eight-hour period. Which of the following should be considered FIRST? A. Network performance baselines B. VLAN assignments C. Routing table D. Device configuration review	
Answer : D	
Question 389 (Single Topic)	×K
Which of the following would enable a network technician to implement dynamic routing? A. An IPS B. A bridge C. A Layer 3 switch D. A hub	
Answer : C	
Question 390 (Single Topic)	×K
Which of the following would be BEST suited for a long cable run with a 40Gbps bandwidth? A. Cat 5e B. Cat 6a C. Cat 7 D. Cat 8 Answer : D	
Question 391 (Single Topic) Which of the following is a valid and cost-effective solution to connect a fiber cable into a network switch without available SFP ports?	×K
A. Use a media converter and a UTP cable B. Install an additional transceiver module and use GBICs C. Change the type of connector from SC to F-type D. Use a loopback adapter to make the connection	

Question 392	(Single)	Topic)
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A network device needs to discover a server that can provide it with an IPv4 address. Which of the following does the device need to send the request to?

A. Default gateway B. Broadcast address C. Unicast address D. Link local address

Answer : A

Question 393 (Single Topic)

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Which of the following is an example of on-demand scalable hardware that is typically housed in the vendor's data center?

A. DaaS

B. IaaS

C. PaaS D. SaaS

Question 394 (Single Topic)

A network security engineer locates an unapproved wireless bridge connected to the corporate LAN that is broadcasting a hidden SSID, providing unauthenticated access to internal resources. Which of the following types of attacks BEST describes this finding?

A. Rogue access pointB. Evil twinC. ARP spoofingD. VLAN hopping

Answer : B

Question 395 (Single Topic)

While setting up a new workstation, a	a technician discovers that the network	connection is only 100 full dup	lex (FD), although i	it is connected to a gigabit switch.

While reviewing the interface information in the switch CLI, the technician notes the port is operating at 100FD but shows many RX and TX errors. The technician moves the computer to another switchport and experiences the same issues.

Which of the following is MOST likely the cause of the low data rate and port errors?

A. Bad switchports

B. Faulty drivers

C. Cable length

D. Incorrect pin-out

Answer : B

Question 396 (Single Topic)

A technician is contracted to install a redundant cluster of devices from the ISP in case of hardware failure within the network. Which of the following would provide BEST redundant solution in Layer 2 devices?

A. Multiple routers

B. Multiple switches

C. Multiple firewalls

D. Multiple bridges

Answer : B

Question 397 (Single Topic)

Which of the following documents is MOST likely to be associated with identifying and documenting critical applications?

A. Software development life-cycle policy

B. User acceptance testing plan

C. Change management policy

D. Business continuity plan



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Question 398 (Single Topic)	
A security vendor needs to add a note to the DNS to validate the ownership of a company domain before services begin. Which of the following records did the security company MOST likely ask the company to configure?	
A. TXT B. AAAA C. CNAME D. SRV	
Answer : A	

Question 399 (Single Topic)	, K
A client who shares office space and an IT closet with another company recently reported connectivity issues throughout the network. Multiple third-party vendors regularly perform on-site maintenance IT closet. Which of the following security techniques would BEST secure the physical networking equipment?	e in the shared
 A. Disabling unneeded switchports B. Implementing role-based access C. Enable logging D. Configuring an access control list 	
Answer : C	
Question 400 (Single Topic)	, and the second
A help desk engineer needs to configure two servers to have the same public IP addresses. Which of the following technologies should the engineer use? A. NAT B. VIP C. DNS caching D. RFC 1918 E. SDWAN	
Answer : A	
Question 401 (Single Topic)	, , K
A switch is connected to another switch. Incompatible hardware causes a surge in traffic on both switches. Which of the following configurations will cause traffic to pause, allowing the switches to drain A. Speed B. Flow control C. 802.1Q D. Duplex	buffers?
Answer : B	
Question 402 (Single Topic)	×
Which of the following records can be used to track the number of changes on a DNS zone?	
A. SOA B. SRV C. PTR D. NS	
Answer : A	
Question 403 (Single Topic)	×K

A network administrator is investigating a performance issue on a dual-link connection — VPN and MPLS — to a partner network. The MPLS is the primary path, and the VPN is used as a backup. While communicating, the delay is measured at 18ms, which is higher than the 6ms expected when the MPLS link is operational but lower than the 30ms expected for the VPN connection. Which of the following will MOST likely point to the root cause of the issue?

B. Checking on the partner network for a missing route pointing to the VPN connectionC. Running iPerf on both sides to confirm the delay that is measured is accurateD. Checking for an incorrect VLAN assignment affecting the MPLS traffic

Answer : A

Question 404 (Single Topic)

Which of the following is a requirement when certifying a network cabling as Cat 7?

A. Ensure the patch panel is certified for the same category.B. Limit 10Gb transmissions to 180ft (55m).C. Use F-type connectors on the network terminations.D. Ensure the termination standard is TIA/EIA-568-A.

Answer : D

Question 405 (Single Topic)

Which of the following architectures is used for FTP?

A. Client-server

B. Service-oriented

C. Connection-oriented

D. Data-centric

Answer: A

Question 406 (Single Topic)

Which of the following bandwidth management techniques uses butters at the client side to prevent TCP retransmissions from occurring when the ISP starts to drop packets of specific types that exceed the agreed traffic rate?

A. Traffic shapingB. Traffic policingC. Traffic markingD. Traffic prioritization

Answer : A

Question 407 (Single Topic)

An engineer needs to verify the external record for SMTP traffic. The engineer logged in to the server and entered the nslookup command. Which of the following commands should the engineer send before entering the DNS name?

A. set type=A B. ls -d company.mail.com C. set domain=company.mail.com

D. set querytype=MX

Answer : D

Question 408 (Single Topic)

A security engineer is trying to determine whether an internal server was accessed by hosts on the internet. The internal server was shut down during the investigation. Which of the following will the engineer review to determine whether the internal server had an unauthorized access attempt?

A. The ARP tableB. The NetFlow statisticsC. The firewall logsD. The audit logs on the core switch

Question 409 (Single Topic)



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A company is reviewing ways to cut the overall cost of its IT budget. A network technician suggests removing various computer programs from the IT budget and only providing these programs on an as-needed basis. Which of the following models would meet this requirement?

C. SaaS	
D. VPN	
Answer : C	

A. Multitenancy B. IaaS

Question 410 (Single Topic)

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An IP address is maintained despite a failing UPS that causes a workstation to restart several times. Which of the following would allow this to occur?

A. DHCP reservation

B. DHCP scope C. Name server D. Root DNS server	
Answer : A	
Question 411 (Single Topic)	×
A network administrator wants to control new router deployments via the use of application programming interfaces (APIs). This would be an example of: A. software-defined networking. B. a three-tiered architecture. C. collapsed backbone. D. top-of-rack switching.	
Answer : A	
Question 412 (Single Topic)	×
A technician is equipped with a tablet, a smartphone, and a laptop to troubleshoot a switch with the help of support over the phone. However, the technician is having issues interconnecting all these tool troubleshooting the switch. Which of the following should the technician use to gain connectivity?	s in
A. PAN B. WAN C. LAN D. MAN	
Answer : C	
Question 413 (Single Topic)	R
Users within a corporate network need to connect to the internet, but corporate network policy does not allow direct connections. Which of the following is MOST likely to be used? A. Proxy server B. VPN client C. Bridge D. VLAN	
Answer : A	
Question 414 (Single Topic)	×
A network is secured and is only accessible via TLS and IPSec VPNs. Which of the following would need to be present to allow a user to access network resources on a laptop without logging in to the VPN	application?
A. Site-to-site B. Secure Shell C. In-band management D. Remote desktop connection	

Question 415 (Single Topic)



A technician is checking network devices to look for opportunities to improve security. Which of the following tools would BEST accomplish this task?

A. Wi-Fi analyzer	
B. Protocol analyzer	
C. Nmap	
D. IP scanner	
Answer : C	
Question 416 (Single Topic)	
Question 410 (Single Topic)	

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Which of the following describes when an active exploit is used to gain access to a network?

- A. Penetration testing
- B. Vulnerability testing
- C. Risk assessment
- D. Posture assessment
- E. Baseline testing

Answer : A

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Question 417 (Single Topic)	کار
A homeowner frequently has guests visit and would like to install a wireless router for their personal devices. The homeowner wants to ensure that the wireless router is compatible with possible. Which of the following standards should a technician suggest?	the widest range of devices
A. 802 11ac B. 802.11b C. 802.11g D. 802.11n	
Answer : D	
Question 418 (Single Topic)	× ^K
A GRE tunnel has been configured between two remote sites. Which of the following features, when configured, ensures the GRE overhead does not affect payload?	
A. Jumbo frames B. Auto medium-dependent interface C. Interface crossover D. Collision detection	
Answer : A	
Question 419 (Single Topic)	, x K
Which of the following attacks MOST likely utilizes a botnet to disrupt traffic?	
A. DDoS B. Deauthentication C. Social engineering D. Ransomware E. DNS poisoning	
Answer : A	
Question 420 (Single Topic)	× ^K
A network administrator is looking at switch features and is unsure whether to purchase a model with PoE. Which of the following devices that commonly utilize PoE should the administrator	trator consider? (Choose two.)
A. VoIP phones	

B. Cameras

C. Printers

D. Cable modems E. Laptops

F. UPSs

Question 421 (Single Topic)

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All packets arriving at an interface need to be fully analyzed. Which of the following features should be used to enable monitoring of the packets?

A. LACP B. Flow control C. Port mirroring D. NetFlow exporter

Answer : D

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Question 422 (Single Topic)	7
Which of the following record types would be used to define where SIP is found?	
A. SRV B. CNAME	
C. A D. MX	
D. MA	
Answer : A	
Question 423 (Single Topic)	*
Which of the following is an advanced distance vector routing protocol that automates routing tables and also uses some features of link-state routing protocols?	
A. OSPF	
B. RIP C. EIGRP	
D. BGP	
Answer : C	
Question 424 (Single Topic)	_ _
A network resource was accessed by an outsider as a result of a successful phishing campaign. Which of the following strategies should be employed to mitigate the effects of phishing?	
A. Multifactor authentication B. Single sign-on	
C. RADIUS D. VPN	
Answer : A	
Question 425 (Single Topic)	*
A PC user who is on a local network reports very slow speeds when accessing files on the network server. The user's PC is connecting, but file downloads are very slow when compared to other u The PC's NIC should be capable of Gigabit Ethernet. Which of the following will MOST likely fix the issue?	sers' download speeds.
A. Releasing and renewing the PC's IP address B. Replacing the patch cable	
C. Reseating the NIC inside the PC D. Flushing the DNS cache	
Answer : B	
Question 426 (Single Topic)	*
A network administrator is configuring logging on an edge switch. The requirements are to log each time a switch port goes up or down. Which of the following logging levels will provide this in	formation?

A. Warnings

B. Notifications

C. Alert D. Errors

Question 427 (Single Topic)



An administrator is setting up a multicast server on a network, but the firewall seems to be dropping the traffic. After logging in to the device, the administrator sees the following entries:

Rule	Action	Source	Destination	Port
1	Deny	Any	172.30.10.50	Any
2	Deny	Any	232.1.4.9	Any
3	Deny	Any	242.9.15.4	Any
4	Deny	Any	175.50.10.10	Any

Which of the following firewall rules is MOST likely causing the issue?
A. Rule 1
B. Rule 2
C. Rule 3
D. Rule 4

Answer : B

Question 428 (Single Topic)

Which of the following would be the MOST likely attack used to bypass an access control vestibule?

A. Tailgating

B. Phishing

C. Evil twin

D. Brute-force

Answer : A

Question 429 (Single Topic)

A company is considering shifting its business to the cloud. The management team is concerned about the availability of the third-party cloud service. Which of the following should the management team consult to determine the promised availability of the cloud provider?

A. Memorandum of understanding

B. Business continuity plan

C. Disaster recovery plan

D. Service-level agreement

Answer : D

Question 430 (Single Topic)

A new company recently moved into an empty office space. Within days, users in the next office began noticing increased latency and packet drops with their Wi-Fi-connected devices. Which of the following is the MOST likely reason for this issue?

A. Channel overlap

B. Distance from the AP

C. Bandwidth latency

D. Disabled WPS

E. Network congestion

Answer : A

Question 431 (Single Topic)

A company is designing a SAN and would like to use STP as its medium for communication. Which of the following protocols would BEST suit the company's needs?

A. SFTP B. Fibre Channel C. iSCSI D. FTP



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Question 432 (Single Topic)



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A technician notices that equipment is being moved around and misplaced in the server room, even though the room has locked doors and cabinets. Which of the following would be the BEST solution to identify who is responsible?

A. Install motion detection. B. Install cameras. C. Install tamper detection. D. Hire a security guard.

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Answer	:	в	

Question 433 (Single Topic)

A computer engineer needs to ensure that only a specific workstation can connect to port 1 on a switch. Which of the following features should the engineer configure on the switch interface?

- A. Port tagging
- B. Port security
- C. Port mirroring
- D. Port aggregation

Answer : B

Question 434 (Single Topic)

A cafeteria is facing lawsuits related to criminal internet access that was made over its guest network. The marketing team, however, insists on keeping the cafeteria's phone number as the wireless passphrase. Which of the following actions would improve wireless security while accommodating the marketing team and accepting the terms of use?

A. Setting WLAN security to use EAP-TLS

- B. Deploying a captive portal for user authentication
- C. Using geofencing to limit the area covered by the WLAN

D. Configuring guest network isolation

Answer: B

Question 435 (Single Topic)

An administrator would like to have two servers at different geographical locations provide fault tolerance and high performance while appearing as one URL to users. Which of the following should the administrator implement?

A. Load balancing B. Multipathing C. NIC teaming D. Warm site

Answer : A

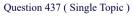
Question 436 (Single Topic)

An IT technician successfully connects to the corporate wireless network at a bank. While performing some tests, the technician observes that the physical address of the DHCP server has changed even though the network connection has not been lost. Which of the following would BEST explain this change?

A. Server upgrade

- B. Duplicate IP address
- C. Scope exhaustion
- D. Rogue server

Answer : D





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An ISP is providing internet to a retail store and has terminated its point of connection using a standard Cat 6 pin-out. Which of the following terminations should the technician use when running a cable from the ISP's port to the front desk?

Answer: B

Question 438 (Single Topic)



A company needs to virtualize a replica of its internal physical network without changing the logical topology and the way that devices behave and are managed. Which of the following technologies meets this requirement?

A. NVF B. SDWAN C. VIP

D. MPLS	
D. MPLS	
Answer : B	
Question 439 (Single Topic)	_
A network technician needs to ensure the company's external mail server can pass reverse lookup checks. Which of the following records would the technician MOST likely configure?	
A. PTR	
B. AAAA	
C. SPF	
D. CNAME	
Answer : A	
Question 440 (Single Topic)	
A network administrator views a network pcap and sees a packet containing the following:	
community: public	
request-id: 13438	
get-response 1.3.6.1.2.1.1.3.0 Value:206801150	
gee response ristori.2.1.1.0.0 (drde.200001100	
Which of the following are the BEST ways for the administrator to secure this type of traffic? (Choose two.)	
A. Migrate the network to IPv6. B. Implement 802.1 X authentication.	
C. Set a private community string.	
D. Use SNMPv3.	
E. Incorporate SSL encryption. F. Utilize IPSec tunneling.	
Answer : CD	
Question 441 (Single Topic)	X
A network technician is troubleshooting a network issue for employees who have reported issues with speed when accessing a server in another subnet. The server is in another building the	nat is 410ft (125m) away from
the employees' building. The 10GBASE-T connection between the two buildings uses Cat 5e. Which of the following BEST explains the speed issue?	
A. The connection type is not rated for that distance. B. A broadcast storm is occurring on the subnet.	
C. The cable run has interference on it.	
D. The connection should be made using a Cat 6 cable.	
Answer : A	

Question 442 (Single Topic)

Which of the following is a security flaw in an application or network?

A. A threat B. A vulnerability

C. A	An exploit A risk
D.1	
Ans	swer : B
	Question 443 (Single Topic)
	administrator is investigating reports of network slowness in a building. While looking at the uplink interface statistics in the switch's CLI, the administrator discovers the uplink is at 100% utilization. However, administrator is unsure how to identify what traffic is causing the saturation. Which of the following tools should the administrator utilize to identify the source and destination addresses of the traffic?
	SNMP Droma
	Traps Syslog
	VetFlow

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Answer : B

Question 444 (Single Topic)

Two new network switches located in different buildings are connected together with single-mode fiber. However, no link exists between the two switches. Which of the following steps should the technician perform FIRST to troubleshoot the issue?

A. Reverse TX/RX on the fiber patch cord at one building.

- B. Replace the fiber patch cords in both buildings.
- C. Clean the fiber patch cord connectors in both buildings.
- D. Connect the fiber patch cord to an OTDR at one building.

Answer : D

Question 445 (Single Topic)

Which of the following OSI model layers would allow a user to access and download files from a remote computer?

A. Session

B. Presentation

C. Network

D. Application

Answer: D

Question 446 (Single Topic)

A new office space is being designed. The network switches are up, but no services are running yet. A network engineer plugs in a laptop configured as a DHCP client to a switch. Which of the following IP addresses should be assigned to the laptop?

A. 10.1.1.1 B. 169.254.1.128 C. 172.16.128.128 D. 192.168.0.1

Answer: B

Question 447 (Single Topic)

An organization requires the ability to send encrypted email messages to a partner from an email server that is hosted on premises. The organization prefers to use the standard default ports when creating firewall rules. Which of the following ports should be open to satisfy the requirements?

A. 110 B. 143 C. 587 D. 636

Answer : C



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Which of the following BEST describes a split-tunnel client-to-server VPN connection?

A. The client sends all network traffic down the VPN tunnel.

B. The client has two different IP addresses that can be connected to a remote site from two different ISPs to ensure availability.

C. The client sends some network traffic down the VPN tunnel and other traffic to the local gateway.

D. The client connects to multiple remote sites at the same time.

Answer : C

Question 449 (Single Topic)

Which of the following is the MOST secure connection used to inspect and provide controlled internet access when remote employees are connected to the corporate network?

A. Site-to-site VPN B. Full-tunnel VPN C. Split-tunnel VPN D. SSH Answer : B

Question 450 (Single Topic)

An engineer is troubleshooting poor performance on the network that occurs during work hours. Which of the following should the engineer do to improve performance?

A. Replace the patch cables.

B. Create link aggregation.

C. Create separation rules on the firewall.

D. Create subinterfaces on the existing port.

Answer : B

Question 451 (Single Topic)

A customer reports there is no access to resources following the replacement of switches. A technician goes to the site to examine the configuration and discovers redundant links between two switches. Which of the following is the reason the network is not functional?

A. The ARP cache has become corrupt.B. CSMA/CD protocols have failed.C. STP is not configured.D. The switches are incompatible models.

Answer : D

Question 452 (Single Topic)

Users are reporting poor wireless performance in some areas of an industrial plant. The wireless controller is measuring a low EIRP value compared to the recommendations noted on the most recent site survey. Which of the following should be verified or replaced for the EIRP value to meet the site survey's specifications? (Choose two.)

A. AP transmit power

- B. Channel utilization
- C. Signal loss
- D. Update ARP tables
- E. Antenna gain
- F. AP association time

Answer : AC

Question 453 (Single Topic)

A coffee shop owner hired a network consultant to provide recommendations for installing a new wireless network. The coffee shop customers expect high speeds even when the network is congested. Which of the following standards should the consultant recommend?

A. 802.11ac B. 802.11ax C. 802.11g

D. 802.11n

Question 454 (Single Topic)

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A network technician is hired to review all the devices within a network and make recommendations to improve network efficiency. Which of the following should the technician do FIRST before reviewing and making any recommendations?

A. Capture a network baseline.B. Perform an environmental review.C. Read the network logs.D. Run a bandwidth test.

Answer : B

Question 455 (Single Topic)



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A company has multiple offices around the world. The computer rooms in some office locations are too warm. Dedicated sensors are in each room, but the process of checking each sensor takes a long time. Which of the following options can the company put in place to automate temperature readings with internal resources?

A. Implement NetFlow.

- B. Hire a programmer to write a script to perform the checks.
- C. Utilize ping to measure the response.

D. Use SNMP with an existing collector server.

Answer : D

Question 456 (Single Topic)

Which of the following architectures reduces network latency by enforcing a limit on the number of switching devices on the frame's path between any internal hosts?

A. Spine and leaf B. Software-defined network

C. Three-tiered

D. Collapsed core

Answer : D

Question 457 (Single Topic)

A network administrator is decommissioning a server. Which of the following will the network administrator MOST likely consult?

A. Onboarding and offboarding policies

B. Business continuity plan

C. Password requirements

D. Change management documentation

Answer : A

Question 458 (Single Topic)

A technician is investigating an issue with connectivity at customer's location. The technician confirms that users can access resources locally but not over the internet. The technician theorizes that the local router has failed and investigates further. The technician's testing results show that the router is functional; however, users still are unable to reach resources on the internet. Which of the following describes what the technician should do NEXT?

A. Document the lessons learned.

B. Escalate the issue.

C. Identify the symptoms.

D. Question users for additional information.

Answer : B

Question 459 (Single Topic)



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On a network with redundant switches, a network administrator replaced one of the switches but was unable to get a connection with another switch. Which of the following should the administrator check after successfully testing the cable that was wired for TIA/EIA-568A on both ends?

A. If MDIX is enabled on the new switch B. If PoE is enabled C. If a plenum cable is being used

D. If STP is disabled on the switches

Question 460 (Single Topic)



The lack of a formal process to grant network permissions to different profiles of employees and contractors is leading to an increasing number of security incidents. Non-uniform and overly permissive network accesses are being granted. Which of the following would be the MOST appropriate method to improve the security of the environment?

A. Change the default permissions to implicit deny. B. Configure uniform ACLs to employees and NAC for contractors. C. Deploy an RDP server to centralize the access to the network. D. Implement role-based access control.

Answer : D

Question 461 (Single Topic)

HOTSPOT

A network technician needs to resolve some issues with a customer's SOHO network. The customer reports that some of the PCs are not connecting to the network, while others appear to be working as intended.

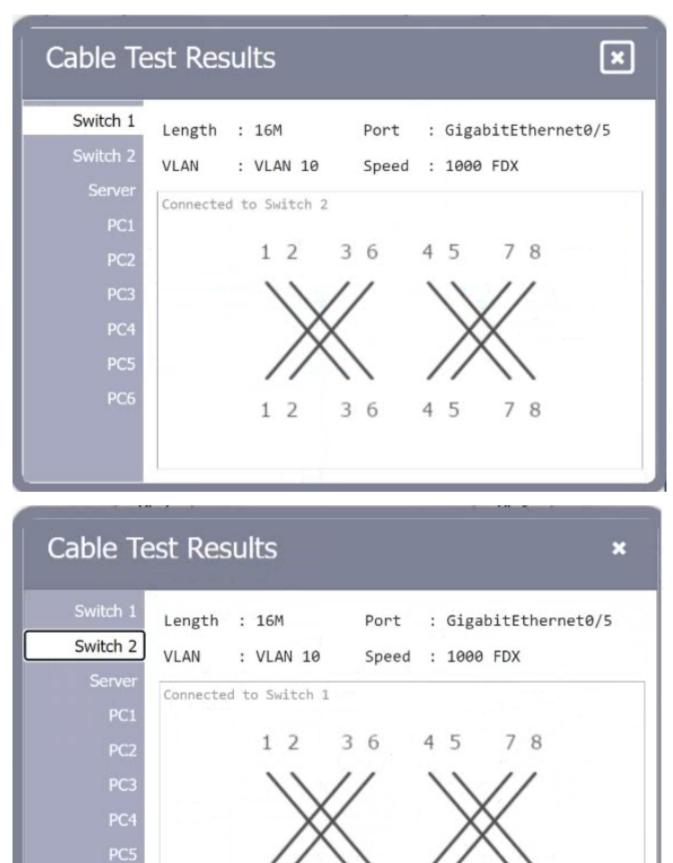
INSTRUCTIONS

Troubleshoot all the network components.

Review the cable test results first, then diagnose by clicking on the appropriate PC, server, and Layer 2 switch.

Identify any components with a problem and recommend a solution to correct each problem.

If at any time you would like to bring back the initial state of the simulation, please dick the Reset All button.





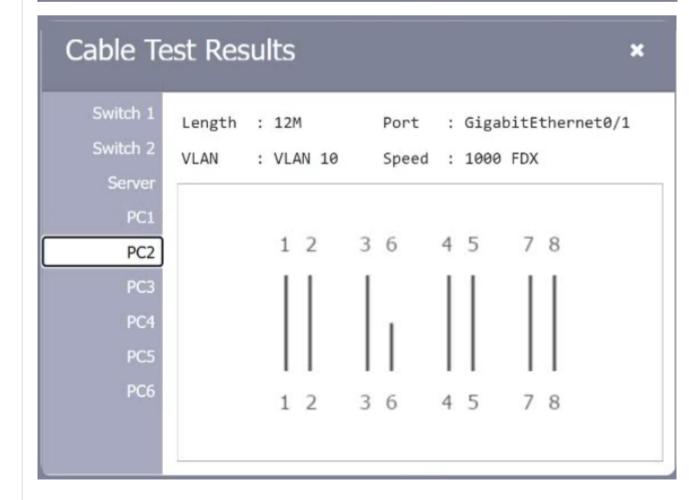
×K

able Te	est Res	sults	5								×
Switch 1 Switch 2 Server	Length VLAN	: 22 : VL	2M .AN 10		Port Speed		Gigal 1000			net	0/1
PC1 PC2		1	2	3	6	4	5	7	8		
PC3 PC4											
PC5											
PC6		1	2	3	6	4	5	7	8		

Cable Test Results

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_	: VLAN 10		Speed	:	1000	FDX	
	1 2	3	6	4	5	7	8
	11	1	1	I	1	1	1
	1 2	3	6	4	5	7	8
		1 2 1 2					

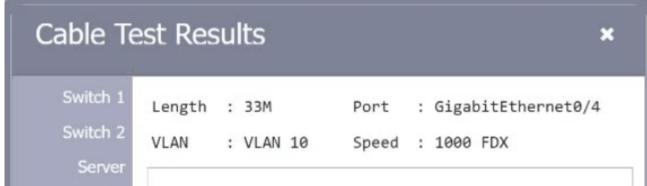


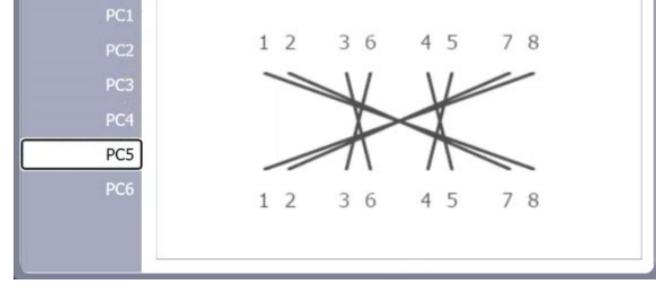
Cable Te	est Res	ults						×
Switch 1 Switch 2 Server	Length VLAN	: 20M : VLAN 10		Port Speed				thernet0/2
PC1 PC2		1 2	3	6	4	5	7	8
PC3 PC4								
PC5 PC6		1 2	3	6	4	5	7	8
PC6		1 2	3	6	4	5	7	8

Cable Test Results

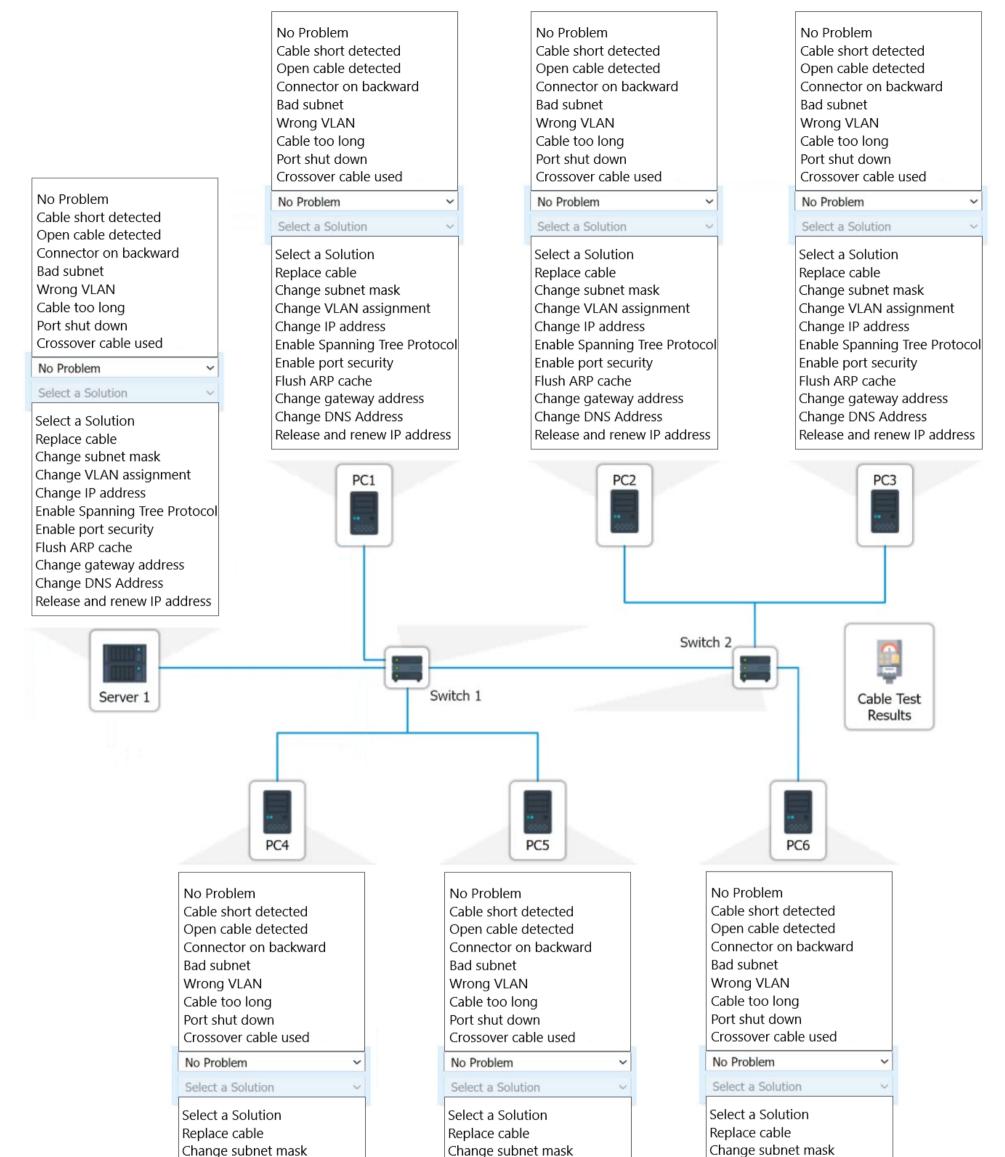
×

Switch 1	Length	: 18	M		Port	:	Gigal	DitE	thernet0/3
Switch 2	VLAN	: VL	AN 11		Speed	:	1000	FDX	
Server									
PC1									
PC2		1	2	3	6	4	5	7	8
PC3		1	1	1	1	T	1	- 1	1
PC4					1				
PC5									
			1		1	1	1		1
PC6		1	2	3	6	4	5	7	8

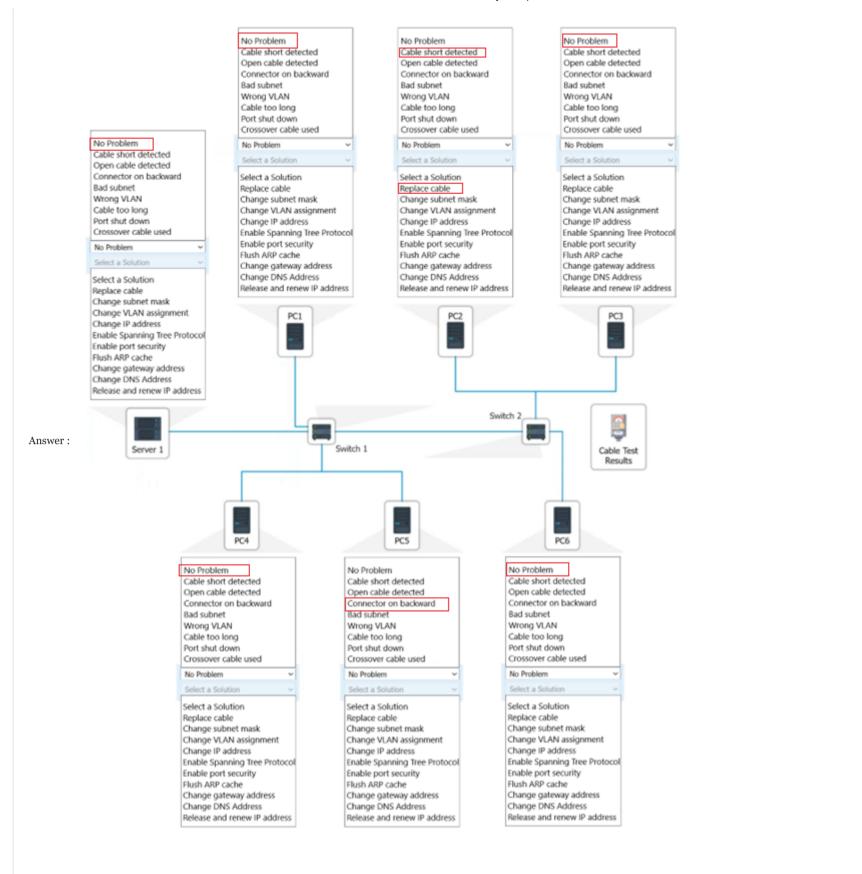




Cable Te	st Res	ults						×
Switch 1 Switch 2 Server	Length VLAN	: 90M : VLAN 10		Port Speed				thernet0/3
PC1 PC2		1 2	3	6	4	5	7	8
PC3 PC4								
PC5 PC6		1 2	3	6	4	5	7	8
								-



Change VLAN assignment Change IP address Enable Spanning Tree Protocol Enable port security Flush ARP cache Change gateway address Change DNS Address Release and renew IP address Change VLAN assignment Change IP address Enable Spanning Tree Protocol Enable port security Flush ARP cache Change gateway address Change DNS Address Release and renew IP address Change VLAN assignment Change IP address Enable Spanning Tree Protocol Enable port security Flush ARP cache Change gateway address Change DNS Address Release and renew IP address



Question 462 (Single Topic)

HOTSPOT

You have been tasked with implementing an ACL on the router that will:

1. Permit the most commonly used secure remote access technologies from the management network to all other local network segments.

2. Ensure the user subnet cannot use the most commonly used remote access technologies in the Linux and Windows Server segments.

3. Prohibit any traffic that has not been specifically allowed.

INSRUCTIONS

Use the drop-downs to complete the ACL.

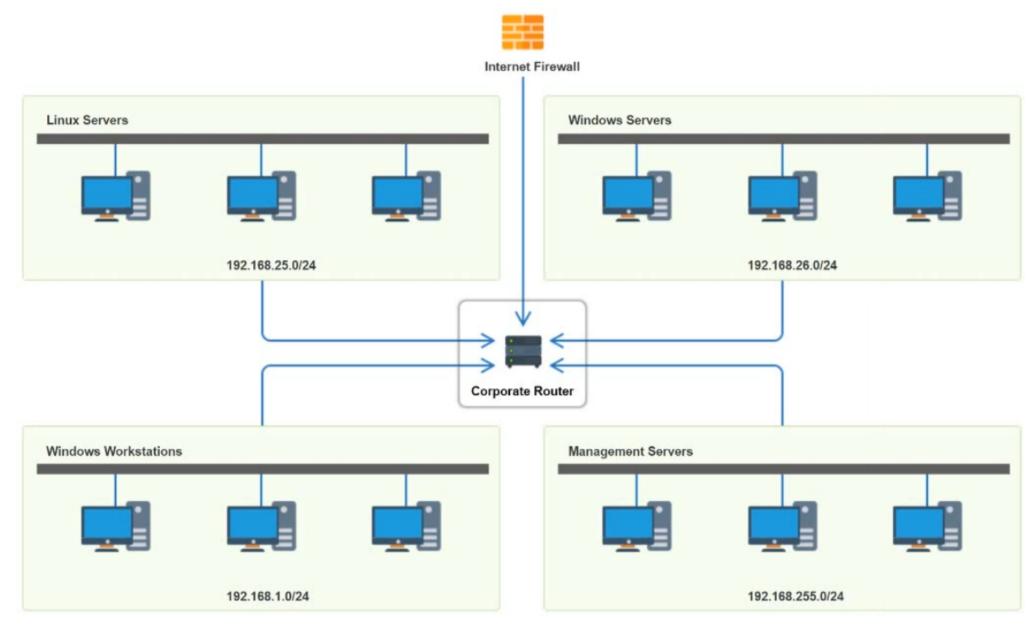
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



https://www.itexams.com/exam/N10-008?viewall=1



N10-008 by CompTIA Actual Free Exam Q&As - ITExams.com



Rule	Source	Destination	Protocol	Service	Action
1	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
2	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
3	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
4	192.168.255.0	192.168.26.0	TCP	SMB	Allow
5	192.168.255.0	Any	Any	Any	Deny
6	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
7	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
8	192.168.1.0	Any	Any	Any	Allow
9			Any	SSH Telnet HTTP RDP VNC SMB	Allow Deny

Roi	ter Access Control Lis	t			
Rule	Source	Destination	Protocol	Service	Action
1	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
2	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
3	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
4	192.168.255.0	192.168.26.0	TCP	SMB	Allow
5	192.168.255.0	Any	Any	Any	Deny
6	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
7	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
8	192.168.1.0	Any	Any	Any	Allow
9	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	Any	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny

Question 463 (Single Topic)

Which of the following types of planes propagates routing information in an SDWAN solution?

A. Orchestration plane

B. Management plane

D. Data plane



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Question 464 (Single Topic)

A technician is running new Cat 5e cables to a server room. Which of the following tools should the technician use to terminate the cables at the patch panel?

A. Multimeter

B. Cable crimper

C. Toner probe

D. Punchdown tool

Answer : D

Question 465 (Single Topic)

A disaster recovery team needs a solution that would best meet the following requirements:

- The server infrastructure has been pre-installed
- The fail-over location offers basic life support.
- The fail-over location provides basic network connectivity.
- Minimizing cost is preferred over quicker business recovery times
- The expected time for services to be fully operational is days.

Which of the following sites would meet the requirements?

A. Cold site B. Cloud site C. Warm site

D. Hot site

Answer: A

Question 466 (Single Topic)

A technician troubleshoots a computer that has intermittent network connectivity and notices the termination point is loose. The technician also observes that the patch cable has already been replaced.

Which of the following should the technician do NEXT?

A. Use a tone generator to trace the cable

- B. Use a multimeter to determine if PoE is available on the switchport
- C. Use a cable crimper to replace the RJ45 connector on the patch cable

D. Use a punchdown tool to reseat the copper in the wall jack

Answer : D

Question 467 (Single Topic)

A company wants to invest in new hardware for the core network infrastructure. The management team requires that the infrastructure be capable of being repaired in less than 60 minutes if any major part fails. Which of the following metrics is MOST likely associated with this requirement?

A. RPO B. MTTR C. FHRP D. MTBF

Answer : B

Question 468 (Single Topic)

Which of the following devices and encapsulations are found at the data link layer? (Choose two.)

A. Session

B. Frame

C. Firewall

D. Switch

E. Packet

F. Router



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Answer : BD

Question 469 (Single Topic)

After rebooting an AP, a user is no longer able to connect to the enterprise LAN. A technician plugs a laptop in to the same network jack and receives the IP 169.254.0.200. Which of the following is MOST likely causing the issue?

A. DHCP scope exhaustionB. Signal attenuationC. Channel overlap

D. Improper DNS configuration

Answer : A



Question 470 (Single Topic)	, x K
A network administrator is concerned about a rainbow table being used to help access network resources. Which of the following must be addressed to reduce the likelihood of a r	ainbow table being effective?
A. Password policy B. Remote access policy C. Acceptable use policy	
D. Data loss prevention policy	
Answer : A	
Question 471 (Single Topic)	×
Question 4/1 (Single Topic)	
Which of the following describes the ability of a corporate IT department to expand its cloud-hosted VM environment with minimal effort? A. Scalability	
B. Load balancing C. Multitenancy	
D. Geo-redundancy	
Answer : A	
Question 472 (Single Topic)	کار
A user from a remote office is reporting slow file transfers. Which of the following tools will an engineer MOST likely use to get detailed measurement data?	
A. Packet capture	
B. iPerf C. SIEM log review	
D. Internet speed test	
Answer : B	
Question 473 (Single Topic)	, , , , , , , , , , , , , , , , , , ,
Which of the following can be used to decrease latency during periods of high utilization of a firewall?	
A. Hot site	
B. Content inspection C. HA pair	
D. VRRP	
Answer : C	
Question 474 (Single Topic)	

A. tracert B. netstat C. arp

C. arp D. ipconfig

E. :	ımap	
An	swer : D	
	Question 475 (Single Topic)	*
Ar	etwork technician needs to select an AP that will support at least 1.3Gbps and 5GHz only. Which of the following wireless standards must the AP support to meet the requirements?	
Α.		
B C		
D. E.	Ν	
12. 1		

Answer : B

Which of the following devices would be used to extend the range of a wireless network?

A. A repeater B. A media converter C. A router D. A switch

Answer : A

Question 477 (Single Topic)

Which of the following redundant devices creates broadcast storms when connected together on a high-availability network?

A. Switches

B. Routers

C. Access points

D. Servers

Answer : A

Question 478 (Single Topic)

A technician is investigating a misconfiguration on a Layer 3 switch. When the technician logs in and runs a command, the following data is shown:

10.10.0.2/24	via 10.10.0.1	FastEthernet1/2
172.16.10.0/24	via 172.16.10.1	FastEthernet1/3
192.168.100.0/24	via 192.168.100.1	Serial0/0
192.168.50.0/24	via 192.168.50.1	Serial0/1

Which of the following commands generated this output?

A. show route B. show config C. show interface D. tcpdump E. netstat -s

Answer: A

Question 479 (Single Topic)



An IT technician is working on a support ticket regarding an unreachable website. The technician has utilized the ping command to the website, but the site is still unreachable. Which of the following tools should the technician use NEXT?

A. ipconfig B. tracert C. arp D. netstat ×K

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Answer : B

Question 480 (Single Topic)

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An ISP configured an internet connection to provide 20Mbps, but actual data rates are occurring at 10Mbps and causing a significant delay in data transmission. Which of the following specifications should the ISP check?

A. Throughput B. Latency C. Bandwidth D. Jitter

Answer : C

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An application team is deploying a new application. The application team would like the network team to monitor network performance and create alerts if fluctuations in the round-trip time occur for that traffic. Which of the following should the network team monitor to meet this requirement?

A. Bandwidth

B. Latency

C. Loss

D. Cyclic redundancy check

Answer : B

Question 482 (Single Topic)

Question 481 (Single Topic)

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A network administrator is configuring Neighbor Discovery Protocol in an IPv6 network to ensure an attacker cannot spoof link-layer addresses of network devices. Which of the following should the administrator implement?

A. MAC filtering

B. Router Advertisement Guard C. Port security

D. DNSSEC

Answer: B

Question 483 (Single Topic)

A network architect is developing documentation for an upcoming IPv4/IPv6 dual-stack implementation. The architect wants to shorten the following IPv6 address: ef82:0000:0000:0000:0000:1ab1:1234:1bc2. Which of the following is the MOST appropriate shortened version?

A. ef82:0:1ab1:1234:1bc2 B. ef82:0::1ab1:1234:1bc2 C. ef82:0:0:0:0:1ab1:1234:1bc2 D. ef82::1ab1:1234:1bc2

Answer : D

Question 484 (Single Topic)	ж ^{кс}
Which of the following default ports is MOST likely used to send availability and environmental messages about specific devices across the network? A. 23 B. 53 C. 389 D. 514 E. 3306	
Answer : D	



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A newly installed multifunction copier needs to be set up so scanned documents can be emailed to recipients. Which of the following ports from the copier's IP address should be allowed?

A. 22

B. 25 C. 53 D. 80

Answer: B

Question 486 (Single Topic)

Which of the following has the capability to centrally manage configuration, logging, and firmware versioning for distributed devices?

A. WLAN controller

B. Load balancer

C. SIEM solution

D. Syslog server

Answer		Δ	
Answer	٠	Α	

Question 487 (Single Topic)

A PC and a network connectivity, and a help desk technician is attempting to resolve the issue. The technician plans to run a constant ping command from a Windows workstation while testing various possible reasons for the connectivity issue. Which of the following should the technician use?

A. ping -w B. ping -i C. ping -s D. ping -t

Answer : B

Question 488 (Single Topic)

Which of the following is the MOST effective security control to keep a company's physical perimeter protected against intrusions leveraged by social-engineering techniques?

A. Employee training

- B. Biometric lockers
- C. Access control vestibule
- D. Motion detection

Answer : C

Question 489 (Single Topic)

A customer called the help desk to report a network issue. The customer recently added a hub between the switch and the router in order to duplicate the traffic flow to a logging device. After adding the hub, all the other network components that were connected to the switch slowed more than expected. Which of the following is the MOST likely cause of the issue?

A. Duplex mismatch

- B. Flow control failure
- C. STP malfunction
- D. 802.1Q disabled

Answer : A

Question 490 (Single Topic)

A fiber patch cable, which was being stored in an unsecure telecommunications closet with janitorial supplies, was damaged and caused an outage. A network technician replaced the broken cable with a new cable from a sealed bag. However, this solution did not resolve the outage. Which of the following is the MOST likely explanation?

A. Incorrect pinout

- B. Incorrect transceivers
- C. Reversed transmit and receive

D. Dirty optical cables

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An engineer is gathering data to determine the effectiveness of UPSs in use at remote retail locations. Which of the following statistics can the engineer use to determine the availability of the remote network equipment?

A. Uptime
B. NetFlow baseline
C. Review TTL stats
D. Interface statistics

Answer : A

Question 492 (Single Topic)

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A technician uses a badge to enter a security checkpoint on a corporate campus. An unknown individual quickly walks in behind the technician without speaking. Which of the following types of attacks did the technician experience?

- A. Tailgating B. Evil twin
- C. On-path
- D. Piggybacking

Answer : A

Question 493 (Single Topic)

A company is opening a new building on the other side of its campus. The distance from the closest building to the new building is 1,804ft (550m). The company needs to connect the networking equipment in the new building to the other buildings on the campus without using a repeater. Which of the following transceivers should the company use?

A. 10GBASE-SW B. 10GBASE-LR C. 10GBASE-LX4 over multimode fiber D. 10GBASE-SR

Answer : B

Question 494 (Single Topic)

An AP uses a 98ft (30m) Cat 6 cable to connect to an access switch. The cable is wired through a duct close to a three-phase motor installation. Anytime the three-phase is turned on, all users connected to the switch experience high latency on the network. Which of the following is MOST likely the cause of the issue?

A. Interference

B. Attenuation C. Open circuit D. Short circuit

Answer : A

Question 495 (Single Topic)

An IT technician installs five old switches in a network. In addition to the low port rates on these switches, they also have improper network configurations. After three hours, the network becomes overwhelmed by continuous traffic and eventually shuts down. Which of the following is causing the issue?

A. Broadcast storm

- **B.** Collisions
- C. IP settings

D. Routing loops

Answer : A

Question 496 (Single Topic)

An engineer is designing a network topology for a company that maintains a large on-premises private cloud. A design requirement mandates internet-facing hosts to be partitioned off from the internal LAN and internal server IP ranges. Which of the following defense strategies helps meet this requirement?

A. Implementing a screened subnet B. Deploying a honeypot C. Utilizing network access control D. Enforcing a Zero Trust model





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Question 497 (Single Topic) Many IP security cameras use RTSP to control media playback. Which of the following default transport layer port numbers does RTSP use?

Answer : A

Answer: B

A. 445 B. 554 C. 587 D. 5060

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Which of the following would be increased by adding encryption to data communication across the network?

- A. Availability B. Integrity C. Accountability
- D. Confidentiality

Answer: D

Question 499 (Single Topic)

Question 498 (Single Topic)

A network technician is working at a new office location and needs to connect one laptop to another to transfer files. The laptops are newer models and do not have Ethernet ports. Access points are not available either. Which of the following types of wireless network SSIDs does the network technician need to configure to be able to connect the laptops together?

- A. Independent Basic Service Set
- B. Extended Service Set
- C. Distribution System Service
- D. Basic Service Set

Answer : D

Question 500 (Single Topic)

An organization would like to implement a disaster recovery strategy that does not require a facility agreement or idle hardware. Which of the following strategies MOST likely meets the organization's requirements?

A. Cloud site B. Cold site C. Warm site D. Hot site

Answer : A

Question 501 (Single Topic)

A network administrator is investigating reports about network performance and finds high utilization on a switch uplink. The administrator is unsure whether this is an anomaly or normal behavior that will require an upgrade to resolve. Which of the following should the administrator reference to gain historical perspective?

A. Device configuration review

- B. ARP table export
- C. Service-level agreement
- D. Network performance baseline

Answer : D

Question 502 (Single Topic)

A network administrator is troubleshooting a client's device that cannot connect to the network. A physical inspection of the switch shows the RJ45 is connected. The NIC shows no activity lights. The network administrator moves the device to another location and connects to the network without issues. Which of the following tools would be the BEST option for the network administrator to use to further troubleshoot?

A. Tone generator B. Multimeter

C. Optical time-domain reflectometer	
D. Cable tester	
Answer : D	
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Question 503 (Single Topic)	, 1 4
	, s ^{if}
Question 503 (Single Topic) A non-employee was able to enter a server room. Which of the following could have prevented this from happening?	* *
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Answer : B

Question 504 (Single Topic)

A large number of PCs are obtaining an APIPA IP address, and a number of new computers were added to the network. Which of the following is MOST likely causing the PCs to obtain an APIPA address?

- A. Rogue DHCP server
- B. Network collision
- C. Incorrect DNS settings
- D. DHCP scope exhaustion

Answer : D

Question 505 (Single Topic)

An engineer is using a tool to run an ICMP sweep of a network to find devices that are online. When reviewing the results, the engineer notices a number of workstations that are currently verified as being online are not listed in the report.

The tool was configured to scan using the following information:

Network address: 172.28.16.0 -

CIDR: /22 -

The engineer collected the following information from the client workstation:

IP address: 172.28.17.206 -

Subnet mask: 255.255.252.0 -

Which of the following MOST likely explains why the tool is failing to detect some workstations?

A. The scanned network range is incorrect.

B. The subnet mask on the client is misconfigured.

C. The workstation has a firewall enabled.

D. The tool is unable to scan remote networks.

Answer : A

Question 506 (Single Topic)

Which of the following can be used to limit the ability of devices to perform only HTTPS connections to an internet update server without exposing the devices to the public internet?

A. Allow connections only to an internal proxy server.

- B. Deploy an IDS system and place it in line with the traffic.
- C. Create a screened network and move the devices to it.
- D. Use a host-based network firewall on each device.

Answer : C

Question 507 (Single Topic)

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A network administrator notices excessive wireless traffic occurring on an access point after normal business hours. The access point is located on an exterior wall. Which of the following should the administrator do to limit wireless access outside the building?

A. Set up a private VLAN.

B. Disable roaming on the WAP.C. Change to a directional antenna.D. Stop broadcasting of the SSID.	
Answer : D	
Question 508 (Single Topic)	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
A technician thinks one of the router ports is flapping. Which of the following available resources should the technician use in order to determine if the router is flapping? A. Audit logs B. NetFlow C. Syslog D. Traffic logs	

Answer : B	
Question 509 (Single Topic)	, s ^{ife}
Which of the following layers is where TCP/IP port numbers identify which network application is receiving the packet and where it is applied?	
A. 3 B. 4 C. 5 D. 6 E. 7	
Answer : B	
Question 510 (Single Topic)	, and the second
A user reports that a crucial fileshare is unreachable following a network upgrade that was completed the night before. A network technician confirms the problem exists. Which of the following troub should the network technician perform NEXT?	leshooting steps
A. Establish a theory of probable cause.B. Implement a solution to fix the problem.C. Create a plan of action to resolve the problem.D. Document the problem and the solution.	
Answer : A	
Question 511 (Single Topic)	, s ^{ite}
A network engineer is designing a wireless network that has the following requirements:	
 Network speed must be higher than 100Mbps Must use the 2.4GHz and 5GHz bands 	
Which of the following 802.11 standards should the engineer select?	
A. 802.11a B. 802.11b C. 802.11g D. 802.11n	
Answer : D	
Question 512 (Single Topic)	, s ^{ife}

A network engineer is investigating reports of poor performance on a videoconferencing application. Upon reviewing the report, the engineer finds that available bandwidth at the WAN connection is low. Which of the following is the MOST appropriate mechanism to handle this issue?

A. Traffic shaping

B. Flow control

C. NetFlow

D. Link aggregation

Question 513 (Single Topic)	×
Which of the following protocols can be routed?	
A. FCoE B. Fibre Channel C. iSCSI D. NetBEUI	
Answer : B	
Question 514 (Single Topic)	7 ¹²
A Fortune 500 company would like to move its on-premises corporate email systems to a multitenant product hosted in the cloud where no maintenance of the underlying server OS or platform is required the following BEST represents the model the company should choose?	. Which of

https://www.itexams.com/exam/N10-008?viewall=1

B. Private C. Hybrid

D. Community

Answer : C

Question 515 (Single Topic)

Which of the following situations would require an engineer to configure subinterfaces?

A. In a router-on-a-stick deployment with multiple VLANs

B. In order to enable inter-VLAN routing on a multilayer switch

C. When configuring VLAN trunk links between switches

D. After connecting a router that does not support 802.1Q VLAN tags

Answer : A

Question 516 (Single Topic)

At which of the following OSI model layers does a MAC filter list for a wireless infrastructure operate?

A. Physical

B. Network

C. Session

D. Data link

Answer : D

Question 517 (Single Topic)

The Chief Executive Officer of a company wants to ensure business operations are not disrupted in the event of a disaster. The solution must have fully redundant equipment, real-time synchronization, and zero data loss. Which of the following should be prepared?

A. Cloud site B. Warm site C. Hot site D. Cold site

Answer : C

Question 518 (Single Topic)

An IT technician needs to increase bandwidth to a server. The server has multiple gigabit ports. Which of the following can be used to accomplish this without replacing hardware?

A. STP B. 802.1Q C. Duplex D. LACP



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A company wants to mitigate unauthorized physical connectivity after implementing a hybrid work schedule. Which of the following will the company MOST likely configure?

A. Intrusion prevention system B. DHCP snooping C. ARP inspection D. Port security

Answer: D

Question 520 (Single Topic)



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A customer cannot reach a web application on a local server. The network consultant suspects that the server is not accepting the HTTPS connection. Which of the following commands should the consultant run on the server to determine what is occurring?

A. route	
B. arp	
C. nmap	
D. netstat	

Answer : D
Question 521 (Single Topic)
A help desk technician is troubleshooting a Windows server named SQL local and wants to check which port a specific application is running on. Which of the following commands should the technician run?
A. dig B. traceroute C. arp D. netstat
Answer : D
Question 522 (Single Topic)
A network administrator is configuring a static DSL connection on the perimeter router to use a backup route to the fiber connection using OSPF routing. The administrator notices all traffic is going over the DSL connection and both links are working. Which of the following should the administrator do to adjust the routing settings for the fiber connection to be used by the router?
A. Add the DSL connection to the neighbor table for OSPF protocol B. Change the routing protocol to EIGRP for the fiber connection C. Increase the administrative distance of the DSL connection D. Create a separate VLAN for the DSL connection
Answer : C
Question 523 (Single Topic)
A Chief Information Officer wants to monitor network breaching in a passive, controlled manner. Which of the following would be BEST to implement?
A. Honeypot B. Perimeter network C. Intrusion prevention system D. Port security
Answer : A
Question 524 (Single Topic)
A technician monitors a switch interface and notices it is not forwarding frames on a trunked port. However, the cable and interfaces are in working order. Which of the following is MOST likely the cause of the issue?

A. STP policy

Question 525 (Single Topic)

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A wireless network technician is receiving reports from some users who are unable to see both of the corporate SSIDs on their mobile devices. A site survey was recently commissioned, and the results verified acceptable RSSI from both APs in all user areas. The APs support modern wireless standards and are all broadcasting their SSIDs. The following table shows some of the current AP settings:

Name	Power	Directionality		Authentication standard	SSID
AP1	Medium	Omnidirectional	802.11b	WPA2 - PSK	CORP01
AP2	High	Directional	802.11a	WPA2 - PSK	CORP02

Which of the following changes would result in all of the user devices being capable of seeing both corporate SSIDs?

A. Implementing the WPA2 Enterprise authentication standard B. Implementing omnidirectional antennas for both APs

C. Cor	figuring the highest power settings for both APs
D. Cor	figuring both APs to use the 802.11ac wireless standard

Answer : A

Question 526 (Single Topic)

An infrastructure company is implementing a cabling solution to connect sites on multiple continents. Which of the following cable types should the company use for this project?

A. Cat 7 B. Single-mode C. Multimode D. Cat 6

Answer : B

Question 527 (Single Topic)

A user is required to log in to a main web application, which then grants the user access to all other programs needed to complete job-related tasks. Which of the following authentication methods does this setup describe?

A. SSO **B. RADIUS** C. TACACS+ D. Multifactor authentication E. 802.1X

Answer : A

Question 528 (Single Topic)

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A company has a geographically remote office. In order to connect to the internet, the company has decided to use a satellite WAN link. Which of the following is the GREATEST concern for this type of connection?

A. Duplex

B. Collisions

C. Jitter

D. Encapsulation

Answer : C

Question 529 (Single Topic)



A network technician is deploying multiple switches for a new office. The switches are separately managed and need to be cabled in to support dual firewalls in a HA setup. Which of the following should the technician enable to support proper stability of the network switches?

A. NTP B. CDMA C. STP D. LACP E. 802.1Q

Question 530 (Single Topic)	×K
Which of the following would be used to filter web traffic based on content?	
A. Proxy server B. Load balancer C. Media converter D. Access point	
Answer : A	
Question 531 (Single Topic)	×K
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A bank installed a new smart TV to stream online video services, but the smart TV was not able to connect to the branch Wi-Fi. The next day, a technician was able to connect the TV to the Wi-Fi, but a bank laptop lost network access at the same time. Which of the following is the MOST likely cause?

A. DHCP scope exhaustion B. AP configuration reset C. Hidden SSID D. Channel overlap

Answer : A

Question 532 (Single Topic)

Newly crimped 26ft (8m) STP Cat 6 patch cables were recently installed in one room to replace cables that were damaged by a vacuum cleaner. Now, users in that room are unable to connect to the network. A network technician tests the existing cables first. The 177ft (54m) cable that runs from the core switch to the access switch on the floor is working, as is the 115ft (35m) cable run from the access switch to the wall jack in the office. Which of the following is the MOST likely reason the users cannot connect to the network?

A. Mixed UTP and STP cables are being used.

- B. The patch cables are not plenum rated.
- C. The cable distance is exceeded.

D. An incorrect pinout on the patch cable is being used.

Answer : D

Question 533 (Single Topic)

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While troubleshooting a network outage, a technician discovers symptoms that indicate a patch cable is connecting the core switch to the router. A network engineer confirms the theory is plausible, and the technician tests the cable. The cable passes the test, and the technician properly plugs the cable back into the correct network ports. However, the network outage continues. Which of the following is the NEXT step the technician should take to troubleshoot the network outage?

- A. Establish a new theory.
- B. Verify full system functionality.

C. Establish a plan of action.

D. Continue to work the original theory.

Answer : A

Question 534 (Single Topic)

A help desk supervisor discovers the following ticket excerpt while reviewing notes in a customer's account:

Received report that customer was unable to use the scanner to read barcodes, the internet no longer worked, and the monitor was fuzzy. Arrived on site and began troubleshooting. Confirmed monitor issue. Replaced VGA cable.

Confirmed scanner failure. Scanner USB cable was unattached. Reattached cable. Confirmed internet issue. Duplicated on test laptop. Escalated to ISP.

Which of the following BEST describes what the technician was doing?

A. The technician was questioning the obvious.

B. The technician was implementing preventative measures.

C. The technician was approaching multiple problems individually.

D. The technician was determining if anything had changed.

Answer : C



Which of the following routing protocols should be implemented to create a route between a local area network and an ISP?	
A. BGP	
B. EIGRP C. RIP	
D. OSPF	
Answer : A	
Question 536 (Single Topic)	, ^{kć}
A technician would like to implement a low-latency Wi-Fi network. Which of the following standards should the technician deploy for the network if the expected user bandwidth is 450Mbps?	
A. 802.11a	
B. 802.11b	
C. 802.11g	

Answer :	D
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, T Question 537 (Single Topic) Which of the following attacks, if successful, would provide a malicious user who is connected to an isolated guest network access to the corporate network? A. VLAN hopping B. On-path attack C. IP spoofing D. Evil twin Answer : A $\boldsymbol{\lambda}^{\mathbf{k}'}$ Question 538 (Single Topic) A network administrator implements a group of access points, only changing the SSID, credentials, and IP address. Shortly after, users begin reporting poor quality and video loss while on video calls in the conference room. Which of the following should the administrator do to MOST effectively troubleshoot during business hours? A. Remove the current antennas and replace them with directional antennas on each AP. B. Disconnect the AP and move it closer to the conference room. C. Configure separate channels on APs that are not supporting the conference room. D. Reboot the switch and each AP at the same time. Answer : C ×K Question 539 (Single Topic) A desktop support department has observed slow wireless speeds for a new line of laptops using the organization's standard image. No other devices have experienced the same issue. Which of the following should the network administrator recommend troubleshooting FIRST to resolve this issue? A. Increasing wireless signal power B. Installing a new WAP C. Changing the protocol associated to the SSID D. Updating the device wireless drivers Answer : D ×K Question 540 (Single Topic) A technician needs to change an incoming fiber line into an RJ45 copper connection for uplinking a new switch. Which of the following would BEST satisfy this requirement?

A. Media converter

B. F-type connector

C. Small form-factor pluggable

D. Punchdown block

A new engineer at a company is working to understand the network. Which of the following diagrams should the engineer review to understand the paths traffic takes?

A. Physical B. Logical C. Wiring

D. Rack

Answer : B

Question 542 (Single Topic)

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A network technician is attempting to increase throughput by configuring link port aggregation between a Gigabit Ethernet distribution switch and a Fast Ethernet access switch. Which of the following is the BEST choice concerning speed and duplex for all interfaces that are participating in the link aggregation?

C. Half duplex and 100MB speed D. Full duplex and 100MB speed

Answer : B

Question 543 (Single Topic)

A junior network engineer is trying to change the native network ID to a non-default value that can then be applied consistently throughout the network environment. Which of the following issues is the engineer attempting to prevent?

A. DDoS B. ARP spoofing C. VLAN hopping D. Rogue DHCP

Answer : C

Question 544 (Single Topic)

Which of the following BEST prevents unauthorized access to spare workstation inventory?

A. Asset tags

B. Tamper detection

C. Security camera

D. Locking cabinet

E. Smart lockers

Answer : D

Question 545 (Single Topic)

A technician is troubleshooting network connectivity from a wall jack. Readings from a multimeter indicate extremely low ohmic values instead of the rated impedance from the switchport. Which of the following is the MOST likely cause of this issue?

A. Incorrect transceiversB. Faulty LEDC. Short circuitD. Upgraded OS version on switch

Answer : C

Question 546 (Single Topic)



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A user is experimenting with audio transmissions and would like the transmissions to reach several specific devices simultaneously over the IP network. The user requests assistance from a network technician to configure the appropriate features within the SOHO. Which of the following should the technician configure to meet the requirements?

A. Unicast

B. Multicast

C. Anycast

D. Broadcast

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Answer :	в
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Question 547 (Single Topic)	×
A retail store recently acquired the store next door. The owners would like this store to support Gigabit Ethernet for up to 328ft (100m). Which of the following is the MOST cost-effective solution?	
A. Cat5 B. Cat 5e C. Cat 6 D. Cat 7	
Answer : B	

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Which of the following attacks becomes more effective because of global leakages of users' passwords?

- A. Dictionary
- B. Brute-force
- C. Phishing
- D. Deauthentication

Answer : B

Question 549 (Single Topic)

Question 548 (Single Topic)

A network administration team for a medium-sized business has decided to segment the network, logically separating the finance and marketing teams in order to improve performance for both teams. The finance and marketing teams still need to access resources across the subnets, and the router has a single interface. Which of the following should the administrator configure in order to allow the traffic?

A. Port address translation

- B. Classless masking
- C. IPv6 tunneling
- D. Subinterfaces

Answer : D

Question 550 (Single Topic)

A network requirement calls for the network traffic of a specific department within a campus network to be monitored. The network has users from each department located in multiple buildings. Which of the following should be configured to meet this requirement? (Choose two.)

A. MDIX

- B. 802.1Q
- C. Jumbo frames
- D. Port mirroring
- E. Flow control

F. LACP

Answer : DE

Question 551 (Single Topic)

A wireless technician is working to upgrade the wireless infrastructure for a company. The company currently uses the 802.11g wireless standard on all access points. The company requires backward compatibility and is requesting the least expensive solution. Which of the following should the technician recommend to the company?

A. 802.11a B. 802.11ac C. 802.11ax D. 802.11n

Answer : D

Question 552 (Single Topic)



Answer : B

Question 553 (Single Topic)

A network administrator is assisting a user who is unable to access network services by using hostname on Host 1. Another user in the same office is able to access the network services with no issue on Host 2. The network administrator runs a command on the affected machine and the working machine and compares the following output:

C. Entry log D. Camera

A. "No tailgating" sign B. Awareness training

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Host 1		Host 2	
Description:	WiFi 6 AX200	Description:	WiFi 6 AX200
Physical Address:	ab:cd:ef:01:23:45	Physical Address:	54:32:01:fe:dc:ba
DHCP Enabled:	No	DHCP Enabled:	No
IPv4 Address:	192.168.0.155	IPv4 Address:	192.168.1.112
Subnet Mask:	255.255.254.0	Subnet Mask:	255.255.254.0
Default Gateway:	192.168.0.1	Default Gateway:	192.168.0.1
DNS Servers:	192.168.1.53	DNS Servers:	192.168.0.53

Which of the follow should the network administrator change to restore connectivity?

A. Change the default gateway on Host 1 to 192.168.1.1.

B. Change the IPv4 address on Host 2 to 192.168.0.112.

C. Reconfigure the subnet masks on both hosts.

D. Update the DNS server on Host 1 to 192.168.0.53.

Answer : D

Question 554 (Single Topic)

Which of the following VPN types provides the highest security for a user who travels often but also has the highest bandwidth requirements to provide a satisfactory user experience?

A. Full-tunnel B. Site-to-site

C. Clientless

D. Split-tunnel

Answer: A

Question 555 (Single Topic)

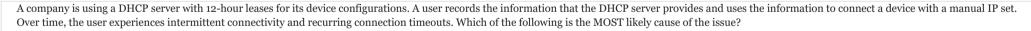
A technician needs to map the path of a PC to the router. Which of the following tools should the technician use to accomplish this task?

A. traceroute B. ping C. ifconfig

D. netstat

Answer: A

Question 556 (Single Topic)



A. A duplicate IP address is on the network.B. The user's device is pointing to an incorrect DNS server.

C. The device is set to use an incorrect subnet.

D. The device is set to use an	incorrect gateway.
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Answer : A

Question 557 (Single Topic)



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A technician is concerned about unauthorized personnel moving assets that are installed in a data center server rack. The technician installs a networked sensor that sends an alert when the server rack door is opened. Which of the following did the technician install?

A. Cipher lock

B. Asset tags

C. Access control vestibule

D. Tamper detection

Question 558 (Single Topic)

An administrator is preparing an organization for a potential disaster. The administrator configures the network switches and turns off the equipment in a data center. Which of the following is this scenario an example of?

A. Warm site B. Cold site

C. Cloud site

D. Hot site

Answer : B

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Question 561 (Single Topic)

A technician is investigating why a PC cannot reach a file server with the IP address 192.168.8.129. Given the following TCP/IP network configuration:

Link-local IPv6 address	fe80::28e4:a7cc:a55e:4bea
IPv4 address	192.168.8.105
Subnet mask	255.255.255.128
Default gateway	192.168.8.1

Which of the following configurations on the PC is incorrect?

A. Subnet mask B. IPv4 address C. Default gateway D. IPv6 address



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Answer	:	Α	

Question 562 (Single Topic)	×	
Which of the following layers of the OSI model lies between the transport layer and the network layer?		
A. Application B. Data link C. Session D. Presentation		
Answer : D		

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8/7/23, 8:44 AM N10-008 by CompTIA Actual Free Exam Q&As - ITExams.com Question 563 (Single Topic) Which of the following describes a network in which users and devices need to mutually authenticate before any network resource can be accessed? A. Least privilege B. Local authentication C. Zero trust D. Need to know Answer : C Question 564 (Single Topic) A technician is setting up DNS records on local servers for the company's cloud DNS to enable access by hostname. Which of the following records should be used? A. A B. MX C. CNAME D. NS Answer : A

Question 565 (Single Topic)

A network administrator responds to a support ticket that was submitted by a customer who is having issues connecting to a website inside of the company network. The administrator verifies that the customer could not connect to a website using a URL. Which of the following troubleshooting steps would be BEST for the administrator to take?

A. Check for certificate issues.

B. Contact the ISP.

C. Attempt to connect to the site via IP address.

D. Check the NTP configuration.

Answer : C

Question 566 (Single Topic)

A network administrator is creating a subnet for a remote office that has 53 network devices. An additional requirement is to use the most efficient subnet. Which of the following CIDR notations indicates the appropriate number of IP addresses with the LEAST amount of unused addresses?

A. /24 B. /26 C. /28 D./32

Answer : B

Question 567 (Single Topic)

A Chief Executive Officer (CEO) of a company purchases a new phone that will be used while traveling to different countries. The CEO needs to be able to place outgoing calls and receive incoming calls on the phone using a SIM card. Which of the following cellular technologies does the CEO's phone need?

A. WDMA B. CDMA

Question 568 (Single Topic)

A network technician is troubleshooting a connection to a local server and has verified that the RDP service is running on the server. After running a command, the technician receives the following output:

Proto	Local Address	Foreign Address	State
TCP	10.10.10.42:51421	10.10.10.7:3389	SYN_SENT

Which of the following MOST likely describes the issue?

A. A host-based firewall on the server is blocking the connection. B. Too many collisions are occurring on the network segment.

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C. A DoS attack is occurring locally. D. A routing loop is in the network.

Answer: A