N10-006 comptia

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Sections

1. Network Architecture
2. Network Operations
3. Network Security
4. Troubleshooting
5. Industry Standards, Practices, and Network Theory
6. Mixed Set

Exam A

QUESTION 1
A technician has verified that a recent loss of network connectivity to multiple workstations is due to a bad CAT5 cable in the server room wall. Which of the following tools can be used to locate its physical location within the wall?

A. Cable certifier
B. Multimeter
C. Cable tester
D. Toner probe

Correct Answer: D
Section: Network Architecture
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
Which of the following is used to authenticate remote workers who connect from offsite? (Select TWO).

A. OSPF
B. VTP trunking
C. Virtual PBX
D. RADIUS
E. 802.1x

Correct Answer: DE
Section: Network Architecture
Explanation

Explanation/Reference:
reliable asnwer.

QUESTION 3
Which of the following describes an IPv6 address of ::1?

A. Broadcast
B. Loopback

C. Classless
D. Multicast

Correct Answer: B
Section: Network Architecture
Explanation

Explanation/Reference:
Explanation:

QUESTION 4
A SQL server needs several terabytes of disk space available to do an uncompressed backup of a database. Which of the following devices would be the MOST cost efficient to use for this backup?

A. iSCSI SAN
B. FCoE SAN
C. NAS
D. USB flash drive

Correct Answer: C
Section: Network Architecture
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
A technician needs to set aside addresses in a DHCP pool so that certain servers always receive the same address. Which of the following should be configured?

A. Leases
B. Helper addresses

C. Scopes
D. Reservations

Correct Answer: D
Section: Network Architecture
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
A network technician receives the following alert from a network device:

"High utilizations threshold exceeded on gi1/0/24 : current value 9413587.54"

Which of the following is being monitored to trigger the alarm?

A. Speed and duplex mismatch
B. Wireless channel utilization
C. Network device CPU
D. Network device memory
E. Interface link status

Correct Answer: E
Section: Network Operations
Explanation

Explanation/Reference:
sophisticated answer.

QUESTION 7
A technician is configuring a managed switch and needs to enable 802.3af. Which of the following should the technician enable?

A. PoE
B. Port bonding
C. VLAN
D. Trunking

Correct Answer: A

Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
After a recent breach, the security technician decides the company needs to analyze and aggregate its security logs. Which of the following systems should be used?

A. Event log
B. Syslog
C. SIEM
D. SNMP

Correct Answer: C
Section: Network Operations
Explanation

Explanation/Reference:
actual answer.

QUESTION 9
A network technician is diligent about maintaining all system servers' at the most current service pack level available. After performing upgrades, users experience issues with server-based applications. Which of the following should be used to prevent issues in the future?

A. Configure an automated patching server
B. Virtualize the servers and take daily snapshots
C. Configure a honeypot for application testing
D. Configure a test lab for updates

Correct Answer: D
Section: Network Operations
Explanation

Explanation/Reference:
reliable answer.

QUESTION 10

A company has implemented the capability to send all log files to a central location by utilizing an encrypted channel. The log files are sent to this location in order to be reviewed. A recent exploit has caused the company's encryption to become unsecure. Which of the following would be required to resolve the exploit?

A. Utilize a FTP service
B. Install recommended updates
C. Send all log files through SMTP
D. Configure the firewall to block port 22

Correct Answer: B
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
The RAID controller on a server failed and was replaced with a different brand. Which of the following will be needed after the server has been rebuilt and joined to the domain?

A. Vendor documentation
B. Recent backups
C. Physical IP address
D. Physical network diagram

Correct Answer: B
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
A network technician has been tasked with designing a WLAN for a small office. One of the requirements of this design is that it is capable of supporting HD video streaming to multiple devices. Which of the following would be the appropriate wireless technology for this design?

A. 802.11g
B. 802.11ac
C. 802.11b
D. 802.11a

Correct Answer: B
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
A company is experiencing accessibility issues reaching services on a cloud-based system. Which of the following monitoring tools should be used to locate possible outages?

A. Network analyzer
B. Packet analyzer
C. Protocol analyzer
D. Network sniffer

Correct Answer: A
Section: Network Operations
Explanation

Explanation/Reference:
Okay.

QUESTION 14
It has been determined by network operations that there is a severe bottleneck on the company's mesh topology network. The field technician has chosen to use log management and found that one router is making routing decisions slower than others on the network. This is an example of which of the following?

A. Network device power issues
B. Network device CPU issues
C. Storage area network issues
D. Delayed responses from RADIUS

Correct Answer: B
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
After a company rolls out software updates, Ann, a lab researcher, is no longer able to use lab equipment connected to her PC. The technician contacts the vendor and determines there is an incompatibility with the latest IO drivers. Which of the following should the technician perform so that Ann can get back to work as quickly as possible?

A. Reformat and install the compatible drivers.
B. Reset Ann's equipment configuration from a backup.
C. Downgrade the PC to a working patch level.
D. Restore Ann's PC to the last known good configuration.
E. Roll back the drivers to the previous version.

Correct Answer: E
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
An administrator reassigns a laptop to a different user in the company. Upon delivering the laptop to the new user, the administrator documents the new location, the user of the device and when the device was reassigned. Which of the following BEST describes these actions?

A. Network map
B. Asset management
C. Change management
D. Baselines

Correct Answer: B
Section: Network Operations
Explanation

Explanation/Reference:
best suitable answer.

QUESTION 17
A network technician has been tasked to configure a new network monitoring tool that will examine interface settings throughout various network devices. Which of the following would need to be configured on each network device to provide that information in a secure manner?

A. S/MIME
B. SYSLOG
C. PGP
D. SNMPv3
E. RSH

Correct Answer: D
Section: Network Operations
Explanation

Explanation/Reference:
accurate answer.

QUESTION 18
Which of the following would be the result of a user physically unplugging a VoIP phone and connecting it into another interface with switch port security enabled as the default setting?

A. The VoIP phone would request a new phone number from the unified communications server.
B. The VoIP phone would cause the switch interface, that the user plugged into, to shutdown.
C. The VoIP phone would be able to receive incoming calls but will not be able to make outgoing calls.
D. The VoIP phone would request a different configuration from the unified communications server.

Correct Answer: B
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
A company is deploying a new wireless network and requires 800Mbps network throughput. Which of the following is the MINIMUM configuration that would meet this need?

A. 802.11ac with 2 spatial streams and an 80MHz bandwidth
B. 802.11ac with 3 spatial streams and a 20MHz bandwidth
C. 802.11ac with 3 spatial streams and a 40MHz bandwidth
D. 802.11ac with 4 spatial streams and a 160MHz bandwidth

Correct Answer: A
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
A technician would like to track the improvement of the network infrastructure after upgrades. Which of the following should the technician implement to have an accurate comparison?

A. Regression test
B. Speed test
C. Baseline
D. Statement of work

Correct Answer: C
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 21
When two or more links need to pass traffic as if they were one physical link, which of the following would be used to satisfy the requirement?

A. Port mirroring
B. 802.1w
C. LACP
D. VTP

Correct Answer: C
Section: Network Operations
Explanation

Explanation/Reference:
truthfull.

QUESTION 22
A VLAN with a gateway offers no security without the addition of:

A. An ACL.
B. 802.1w.
C. A RADIUS server.
D. 802.1d.

Correct Answer: A
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
Network segmentation provides which of the following benefits?

A. Security through isolation
B. Link aggregation
C. Packet flooding through all ports
D. High availability through redundancy

Correct Answer: A
Section: Network Operations

Explanation

Explanation/Reference:
reliable answer.

QUESTION 24
A network technician must create a wireless link between two buildings in an office park utilizing the 802.11ac standard. The antenna chosen must have a small physical footprint and minimal weight as it will be mounted on the outside of the building. Which of the following antenna types is BEST suited for this solution?

A. Yagi
B. Omni-directional
C. Parabolic
D. Patch

Correct Answer: A
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
The administrator's network has OSPF for the internal routing protocol. One port going out to the Internet is congested. The data is going out to the Internet, but queues up before sending. Which of the following would resolve this issue?

Output:
Fast Ethernet 0 is up, line protocol is up
Int ip address is 10.20.130.5/25
MTU 1500 bytes, BW10000 kbit, DLY 100 usec
Reliability 255/255, Tx load 1/255, Rx load 1/255
Encapsulation ospf, loopback not set
Keep alive 10
Half duplex, 100Mb/s, 100 Base Tx/Fx
Received 1052993 broadcasts
0 input errors
983881 packets output, 768588 bytes
0 output errors, 0 collisions, 0 resets

A. Set the loopback address
B. Change the IP address

C. Change the slash notation
D. Change duplex to full

Correct Answer: D
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
An outside organization has completed a penetration test for a company. One of the items on the report is reflecting the ability to read SSL traffic from the web server. Which of the following is the MOST likely mitigation for this reported item?

A. Ensure patches are deployed
B. Install an IDS on the network
C. Configure the firewall to block traffic on port 443
D. Implement a VPN for employees

Correct Answer: A
Section: Network Operations
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
A system administrator wants to update a web-based application to the latest version. Which of the following procedures should the system administrator perform FIRST?

A. Remove all user accounts on the server
B. Isolate the server logically on the network
C. Block all HTTP traffic to the server
D. Install the software in a test environment

Correct Answer: D
Section: Network Operations
Explanation

Explanation/Reference:
given answer is correct.

QUESTION 28
A technician needs to install software onto company laptops to protect local running services, from external threats. Which of the following should the technician install and configure on the laptops if the threat is network based?

A. A cloud-based antivirus system with a heuristic and signature based engine
B. A network based firewall which blocks all inbound communication
C. A host-based firewall which allows all outbound communication
D. A HIDS to inspect both inbound and outbound network communication

Correct Answer: C
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
Which of the following physical security controls prevents an attacker from gaining access to a network closet?

A. CCTVs
B. Proximity readers
C. Motion sensors
D. IP cameras

Correct Answer: B
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
A network technician is performing a wireless survey in the office and discovers a device that was not installed by the networking team. This is an example of which of following threats?

A. Bluesnarfing

B. DDoS
C. Brute force
D. Rogue AP

Correct Answer: D
Section: Network Security
Explanation

Explanation/Reference:
appropriate asnwer.

QUESTION 31
A technician is setting up a computer lab. Computers on the same subnet need to communicate with each other using peer to peer communication. Which of the following would the technician MOST likely configure?

A. Hardware firewall
B. Proxy server
C. Software firewall
D. GRE tunneling

Correct Answer: C
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 32
A technician needs to ensure that new systems are protected from electronic snooping of Radio Frequency emanations. Which of the following standards should be consulted?

A. DWDM
B. MIMO
C. TEMPEST
D. DOCSIS

Correct Answer: C
Section: Network Security
Explanation

Explanation/Reference:
valid answer.

QUESTION 33
Which of the following types of network would be set up in an office so that customers could access the Internet but not be given access to internal resources such as printers and servers?

A. Quarantine network
B. Core network
C. Guest network
D. Wireless network

Correct Answer: C
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 34
An attacker has connected to an unused VoIP phone port to gain unauthorized access to a network. This is an example of which of the following attacks?

A. Smurf attack

B. VLAN hopping
C. Bluesnarfing
D. Spear phishing

Correct Answer: B
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
A company has decided to update their usage policy to allow employees to surf the web unrestricted from their work computers. Which of the following actions should the IT security team implement to help protect the network from attack as a result of this new policy?

A. Install host-based anti-malware software
B. Implement MAC filtering on all wireless access points
C. Add an implicit deny to the core router ACL
D. Block port 80 outbound on the company firewall
E. Require users to utilize two-factor authentication

Correct Answer: A
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
An organization notices a large amount of malware and virus incidents at one satellite office, but hardly any at another. All users at both sites are running the same company image and receive the same group policies. Which of the following has MOST likely been implemented at the site with the fewest security issues?

A. Consent to monitoring
B. Business continuity measures
C. Vulnerability scanning
D. End-user awareness training

Correct Answer: D
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
A wireless network technician for a local retail store is installing encrypted access points within the store for real-time inventory verification, as well as remote price

checking capabilities, while employees are away from the registers. The store is in a fully occupied strip mall that has multiple neighbors allowing guest access to the wireless networks. There are a finite known number of approved handheld devices needing to access the store's wireless network. Which of the following is the BEST security method to implement on the access points?

A. Port forwarding
B. MAC filtering
C. TLS/TTLS
D. IP ACL

Correct Answer: B
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 38
Ann, a network technician, was asked to remove a virus. Issues were found several levels deep within the directory structure. To ensure the virus has not infected the .mp4 files in the directory, she views one of the files and believes it contains illegal material. Which of the following forensics actions should Ann perform?

A. Erase the files created by the virus
B. Stop and escalate to the proper authorities
C. Check the remaining directories for more .mp4 files
D. Copy the information to a network drive to preserve the evidence

Correct Answer: B
Section: Network Security
Explanation

Explanation/Reference:
fine answer.

QUESTION 39
Which of the following describes a smurf attack?

A. Attack on a target using spoofed ICMP packets to flood it
B. Intercepting traffic intended for a target and redirecting it to another
C. Spoofed VLAN tags used to bypass authentication
D. Forging tags to bypass QoS policies in order to steal bandwidth

Correct Answer: A
Section: Network Security
Explanation

Explanation/Reference:
well answered.

QUESTION 40
Which of the following technologies is designed to keep systems uptime running in the event of a disaster?

A. High availability
B. Load balancing
C. Quality of service
D. Caching engines

Correct Answer: A
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
Packet analysis reveals multiple GET and POST requests from an internal host to a URL without any response from the server. Which of the following is the BEST explanation that describes this scenario?

A. Compromised system
B. Smurf attack
C. SQL injection attack
D. Man-in-the-middle

Correct Answer: A
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
Before logging into the company network, users are required to sign a document that is to be stored in their personnel file. This standards and policies document is usually called which of the following?

A. SOP
B. BEP
C. AUP
D. SLA

Correct Answer: C
Section: Network Security
Explanation

Explanation/Reference:
nicely answered.

QUESTION 43
A network technician has set up an FTP server for the company to distribute software updates for their products. Each vendor is provided with a unique username and password for security. Several vendors have discovered a virus in one of the security updates. The company tested all files before uploading them but retested the file and found the virus. Which of the following could the technician do for vendors to validate the proper security patch?

A. Use TFTP for tested and secure downloads
B. Require biometric authentication for patch updates
C. Provide an MD5 hash for each file
D. Implement a RADIUS authentication

Correct Answer: C
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
A technician wants to securely manage several remote network devices. Which of the following should be implemented to securely manage the devices?

A. WPA2
B. IPv6
C. SNMPv3

D. RIPv2

Correct Answer: C
Section: Network Security
Explanation

Explanation/Reference:

QUESTION 45
A network technician has detected duplicate IP addresses on the network. After testing the behavior of rogue DHCP servers, the technician believes that the issue is related to an unauthorized home router. Which of the following should the technician do NEXT in the troubleshooting methodology?

A. Document the findings and action taken.
B. Establish a plan to locate the rogue DHCP server.
C. Remove the rogue DHCP server from the network.
D. Identify the root cause of the problem.

Correct Answer: B
Section: Troubleshooting
Explanation

Explanation/Reference:
best answer.

QUESTION 46
Two weeks after installation, a network technician is now unable to log onto any of the newly installed company switches. The technician suspects that a malicious user may have changed the switches' settings before they were installed in secure areas. Which of the following is the MOST likely way in which the malicious user gained access to the switches?

A. Via SSH using the RADIUS shared secret
B. Via HTTP using the default username and password
C. Via console using the administrator's password
D. Via SNMP using the default RO community

Correct Answer: B
Section: Troubleshooting
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
When a client calls and describes a problem with a computer not being able to reach the Internet, in which of the following places of the OSI model would a technician begin troubleshooting?

A. Transport layer
B. Physical layer
C. Network layer
D. Session layer

Correct Answer: B
Section: Troubleshooting
Explanation

Explanation/Reference:
right answer.

QUESTION 48
A network technician has been assigned to install an additional router on a wireless network. The router has a different SSID and frequency. All users on the new access point and the main network can ping each other and utilize the network printer, but all users on the new router cannot get to the Internet. Which of the following is the MOST likely cause of this issue?

A. The gateway is misconfigured on the new router.
B. The subnet mask is incorrect on the new router.
C. The gateway is misconfigured on the edge router.
D. The SSID is incorrect on the new router.

Correct Answer: A
Section: Troubleshooting
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
A technician is troubleshooting a wired device on the network. The technician notices that the link light on the NIC does not illuminate. After testing the device on a different RJ-45 port, the device connects successfully. Which of the following is causing this issue?

A. EMI
B. RFI
C. Cross-talk
D. Bad wiring

Correct Answer: D
Section: Troubleshooting
Explanation

Explanation/Reference:
actual answer.

QUESTION 50
An organization requires a second technician to verify changes before applying them to network devices. When checking the configuration of a network device, a technician determines that a coworker has improperly configured the AS number on the device. This would result in which of the following?

A. The OSPF not-so-stubby area is misconfigured
B. Reduced wireless network coverage
C. Spanning tree ports in flooding mode
D. BGP routing issues

Correct Answer: D
Section: Troubleshooting
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
A company has had several virus infections over the past few months. The infections were caused by vulnerabilities in the application versions that are being used. Which of the following should an administrator implement to prevent future outbreaks?

A. Host-based intrusion detection systems
B. Acceptable use policies
C. Incident response team
D. Patch management

Correct Answer: D
Section: Troubleshooting

Explanation

Explanation/Reference:
updated answer.

QUESTION 52
A user calls the help desk and states that he was working on a spreadsheet and was unable to print it. However, his colleagues are able to print their documents to the same shared printer. Which of the following should be the FIRST question the helpdesk asks?

A. Does the printer have toner?
B. Are there any errors on the printer display?
C. Is the user able to access any network resources?
D. Is the printer powered up?

Correct Answer: C
Section: Troubleshooting
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
A network technician is using a network monitoring system and notices that every device on a particular segment has lost connectivity. Which of the following should the network technician do NEXT?

A. Establish a theory of probable cause.
B. Document actions and findings.
C. Determine next steps to solve the problem.
D. Determine if anything has changed.

Correct Answer: D
Section: Troubleshooting
Explanation

Explanation/Reference:
accurate answer.

QUESTION 54
A technician just completed a new external website and setup access rules in the firewall. After some testing, only users outside the internal network can reach the site. The website responds to a ping from the internal network and resolves the proper public address. Which of the following could the technician do to fix this issue

while causing internal users to route to the website using an internal address?

A. Configure NAT on the firewall
B. Implement a split horizon DNS
C. Place the server in the DMZ
D. Adjust the proper internal ACL

Correct Answer: B
Section: Troubleshooting
Explanation

Explanation/Reference:
appropriate answer.

QUESTION 55
A network administrator recently installed a web proxy server at a customer's site. The following week, a system administrator replaced the DNS server overnight. The next day, customers began having issues accessing public websites. Which of the following will resolve the issue?

A. Update the DNS server with the proxy server information.
B. Implement a split horizon DNS server.
C. Reboot the web proxy and then reboot the DNS server.
D. Put the proxy server on the other side of the demarc.

Correct Answer: A
Section: Troubleshooting
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
While troubleshooting a connectivity issue, a network technician determines the IP address of a number of workstations is 169.254.0.0/16 and the workstations cannot access the Internet. Which of the following should the technician check to resolve the problem?

A. Default gateway address
B. Misconfigured DNS
C. DHCP server
D. NIC failure

Correct Answer: C
Section: Troubleshooting
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
A technician recently ran a 20-meter section of CAT6 to relocate a control station to a more central area on the production floor. Since the relocation, the helpdesk has received complaints about intermittent operation. During the troubleshooting process, the technician noticed that collisions are only observed on the switch port during production. Given this information, which of the following is the cause of the problem?

A. Distance limitation
B. Electromagnetic interference
C. Cross talk
D. Speed and duplex mismatch

Correct Answer: B
Section: Troubleshooting
Explanation

Explanation/Reference:
good choice of answer.

QUESTION 58
A technician has finished configuring AAA on a new network device. However, the technician is unable to log into the device with LDAP credentials but is able to do so with a local user account. Which of the following is the MOST likely reason for the problem?

A. Username is misspelled is the device configuration file
B. IDS is blocking RADIUS
C. Shared secret key is mismatched
D. Group policy has not propagated to the device

Correct Answer: C
Section: Troubleshooting
Explanation

Explanation/Reference:
Explanation:

QUESTION 59
A technician is tasked with connecting a router to a DWDM. The technician connects the router to the multiplexer and confirms that there is a good signal level. However, the interface on the router will not come up. Which of the following is the MOST likely cause?

A. The wrong wavelength was demuxed from the multiplexer.
B. The SFP in the multiplexer is malfunctioning.
C. There is a dirty connector on the fiber optic cable.
D. The fiber optic cable is bent in the management tray.

Correct Answer: A
Section: Troubleshooting
Explanation

Explanation/Reference:
actual answer.

QUESTION 60
Which of the following is the main difference between TCP and UDP?

A. TCP data flows in two directions, while UDP data flows from server to client.
B. The TCP header implements flags, while the UDP header does not.
C. The TCP header implements checksum, while the UDP header does not.
D. TCP connections can be secured by stateful firewalls, while UDP connections cannot.

Correct Answer: B
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
Which of the following PDUs is used by a connectionless protocol?

A. Frames
B. Segments
C. Streams
D. Datagram

Correct Answer: D
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
Explanation:

QUESTION 62
When troubleshooting a network problem, browsing through the log of a switch, it is discovered that multiple frames contain errors. In which of the following layers does the problem reside? (Select TWO).

A. Layer 2
B. Layer 3
C. Layer 5
D. Transport layer
E. Data link
F. Physical layer

Correct Answer: AE
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
answer is to the point.

QUESTION 63
A network technician is attempting to locate a switch connected to the fourth floor west side of the building. Which of the following will allow quick identification of the switch, when looking at a logical diagram?

A. Building layout
B. Patch panel labeling
C. Packet sniffing
D. Naming conventions

Correct Answer: D
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
In an engineering office, all plotters are configured via static IP. Which of the following best practices will alleviate many issues if equipment moves are required? (Select TWO).

A. Rack monitoring
B. Device placement
C. Wall plate labeling
D. Room numbering
E. Patch panel labeling

Correct Answer: CE
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
properly sorted answer.

QUESTION 65
Which of the following devices implements CSMA/CA virtually through the RTS/CTS protocols?

A. Firewall
B. Router
C. 802.11 AP

D. Switch

Correct Answer: C
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
A user with a 802.11n WLAN card is connected to a SOHO network and is only able to connect at 11 Mbps with full signal strength. Which of the following standards is implemented on the network?

A. 802.11a
B. 802.11ac
C. 802.11b
D. 802.11g

Correct Answer: C
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
Explanation:

QUESTION 67
A customer has engaged a company to improve the availability of all of the customer's services and applications, enabling the customer to minimize downtime to a few hours per quarter. Which of the following will document the scope of the activities the company will provide to the customer, including the intended outcomes?

A. MLA
B. MOU
C. SOW
D. SLA

Correct Answer: C
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:

Explanation:

QUESTION 68
A network technician has just installed a TFTP server on the administrative segment of the network to store router and switch configurations. After a transfer attempt to the server is made, the process errors out. Which of the following is a cause of the error?

A. Only FTP can be used to copy configurations from switches
B. Anonymous users were not used to log into the TFTP server
C. An incorrect password was used and the account is now locked
D. Port 69 is blocked on a router between the network segments

Correct Answer: D
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
appropriate answer.

QUESTION 69
An organization is moving to a new datacenter. During the move, several technicians raise concerns about a system that could potentially remove oxygen from the server room and result in suffocation. Which of the following systems are they MOST likely discussing?

A. Fire suppression
B. Mantraps at the entry
C. HVAC
D. UPS and battery backups

Correct Answer: A
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:

QUESTION 70
A technician, Joe, needs to troubleshoot a recently installed NIC. He decides to ping the local loopback address. Which of the following is a valid IPv4 loopback address?

A. 10.0.0.1

B. 127.0.0.1
C. 172.16.1.1
D. 192.168.1.1

Correct Answer: B
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
An F-connector is used on which of the following types of cabling?

A. CAT3
B. Single mode fiber
C. CAT5
D. RG6

Correct Answer: D
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
After repairing a computer infected with malware, a technician determines that the web browser fails to go to the proper address for some sites. Which of the following should be checked?

A. Server host file
B. Subnet mask
C. Local hosts file
D. Duplex settings

Correct Answer: C
Section: Mixed Set
Explanation

Explanation/Reference:
fine answer.

QUESTION 73
A company wants to make sure that users are required to authenticate prior to being allowed on the network. Which of the following is the BEST way to accomplish this?

A. 802.1x
B. 802.1p
C. Single sign-on
D. Kerberos

Correct Answer: A
Section: Mixed Set
Explanation

Explanation/Reference:
well answered.

QUESTION 74
Joe, a network technician, is setting up a DHCP server on a LAN segment. Which of the following options should Joe configure in the DHCP scope, in order to allow hosts on that LAN segment using dynamic IP addresses, to be able to access the Internet and internal company servers? (Select THREE).

A. Default gateway
B. Subnet mask
C. Reservations
D. TFTP server
E. Lease expiration time of 1 day
F. DNS servers
G. Bootp

Correct Answer: ABF
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 75

Which of the following protocols uses label-switching routers and label-edge routers to forward traffic?

A. BGP
B. OSPF
C. IS-IS
D. MPLS

Correct Answer: D
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
A user connects to a wireless network at the office and is able to access unfamiliar SMB shares and printers. Which of the following has happened to the user?

A. The user is connected using the wrong channel.
B. The user is connected to the wrong SSID.
C. The user is experiencing an EMI issue.
D. The user is connected to the wrong RADIUS server.

Correct Answer: B
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 77
A network engineer is dispatched to an employee office to troubleshoot an issue with the employee's laptop. The employee is unable to connect to local and remote resources. The network engineer flips the laptop's wireless switch on to resolve the issue. At which of the following layers of the OSI model was the issue resolved?

A. Layer 1
B. Layer 2
C. Layer 3
D. Layer 4
E. Layer 7

Correct Answer: A
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
A network technician has detected a personal computer that has been physically connected to the corporate network. Which of the following commands would the network technician use to locate this unauthorized computer and determine the interface it is connected to?

A. nbtstat a
B. show mac address-table
C. show interface status
D. show ip access-list
E. nslookup hostname

Correct Answer: B
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
A network technician is troubleshooting a problem at a remote site. It has been determined that the connection from router A to router B is down. The technician at the remote site re-terminates the CAT5 cable that connects the two routers as a straight through cable. The cable is then tested and is plugged into the correct interface. Which of the following would be the result of this action?

A. The normal amount of errors and the connection problem has been resolved.
B. The interface status will indicate that the port is administratively down.
C. The traffic will flow, but with excessive errors.
D. The interface status will show line protocol down.

Correct Answer: D
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
After connecting a workstation directly to a small business firewall, a network administrator is trying to manage it via HTTPS without losing its stored configuration. The only two pieces of information that the network administrator knows about the firewall are the management interface MAC address, which is 01:4a:d1:fa:b1:0e, and the administrator's password. Which of the following will allow the administrator to log onto the firewall via HTTPS if the management's IP address is unknown and the administrator's workstation IP address is 192.168.0.10/23?

A. Use the reset button on the back of the firewall to restore it to its factory default, and then log onto
B. Run the following command on the administrator's workstation: arp s 192.168.1.200 01:4a:d1:fa:b1:0e
C. Use an SNMP tool to query the firewall properties and determine the correct management IP address
D. Use a crossover cable to connect to the console port and reconfigure the firewall management IP to 192.168.0.1

Correct Answer: B
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
A network technician is utilizing a network protocol analyzer to troubleshoot issues that a user has been experiencing when uploading work to the internal FTP server. Which of the following default port numbers should the technician set the analyzer to highlight when creating a report? (Select TWO).

A. 20
B. 21
C. 22
D. 23
E. 67
F. 68
G. 69

Correct Answer: AB
Section: Mixed Set
Explanation

Explanation/Reference:

Explanation:

QUESTION 82
A network engineer needs to set up a topology that will not fail if there is an outage on a single piece of the topology. However, the computers need to wait to talk on the network to avoid congestions. Which of the following topologies would the engineer implement?

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

Correct Answer: C
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
A company has changed ISPs for their office and ordered a new 250 Mbps symmetrical Internet connection. As a result, they have been given a new IP range. The ISP has assigned the company 10.10.150.16 /28. The company gateway router has the following interface configuration facing the ISP:

Interface A:
IP address: 10.10.150.16
Subnet mask: 255.255.255.240
Default gateway: 10.10.150.32
Speed: 1000 Mbps
Duplex: Auto
State: No Shutdown

None of the workstations at the company are able to access the Internet. Which of the following are the reasons? (Select TWO).

A. There is a duplex mismatch between the router and ISP.
B. The router interface is turned off.
C. The interface is set to the incorrect speed.
D. The router is configured with the incorrect subnet mask.
E. The router interface is configured with the incorrect IP address.
F. The default gateway is configured incorrectly.

Correct Answer: EF
Section: Mixed Set
Explanation

Explanation/Reference:
best answer.

QUESTION 84
The ability to make access decisions based on an examination of Windows registry settings, antivirus software, and AD membership status is an example of which of the following NAC features?

A. Quarantine network
B. Persistent agents
C. Posture assessment
D. Non-persistent agents

Correct Answer: C
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 85
A technician is troubleshooting a client's connection to a wireless network. The client is asked to run a "getinfo" command to list information about the existing condition.

myClient$ wificard --getinfo
agrCtlRSSI: -72
agrExtRSSI: 0
state: running
op mode: station
lastTxRate: 178
MaxRate: 300
802.11 auth: open
link auth: wpa2-psk
BSSID: 0F:33:AE:F1:02:0A
SSID: CafeWireless
Channel: 149,1

Given this output, which of the following has the technician learned about the wireless network? (Select TWO).

A. The WAP is using RC4 encryption
B. The WAP is using 802.11a
C. The WAP is using AES encryption
D. The WAP is using the 2.4GHz channel
E. The WAP is using the 5GHz channel
F. The WAP is using 802.11g

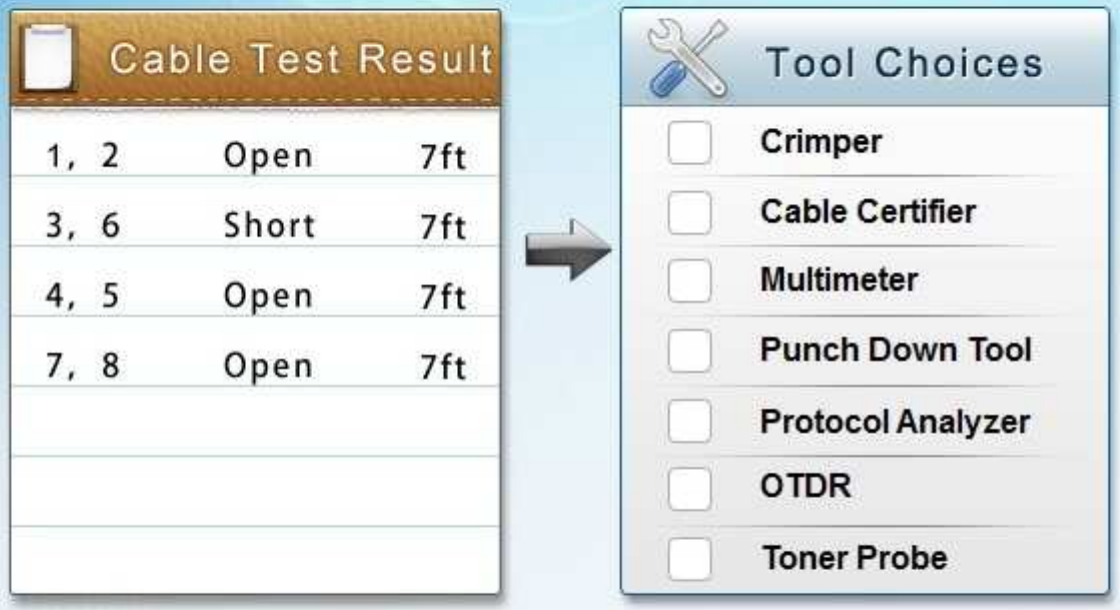
Correct Answer: CE
Section: Mixed Set
Explanation

Explanation/Reference:
right answer.

QUESTION 86
You have been tasked with testing a CAT5e cable. A summary of the test results can be found on the screen.
Step 1: Select the tool that was used to create the cable test results.
Step 2: Interpret the test results and select the option that explains the results. After you are done with your analysis, click the 'Submit Cable Test Analysis' button.

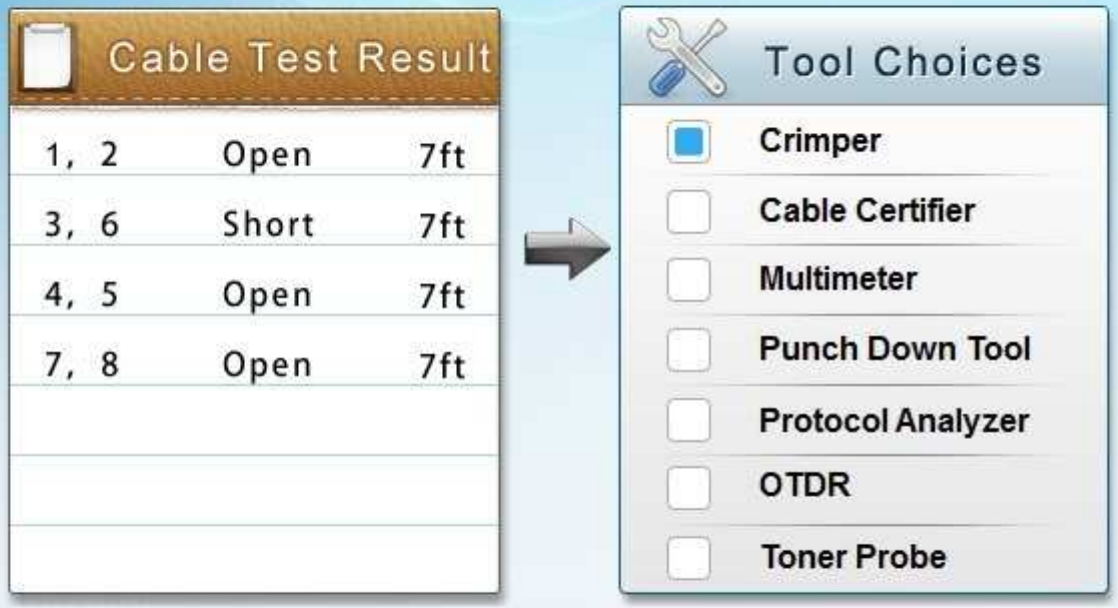
Cable Test

Step 1: Select the tool that was used to create the cable test results.



Cable Test

Step 1: Select the tool that was used to create the cable test results.



Step 2: Interpret the test results and select the option that explains the results.

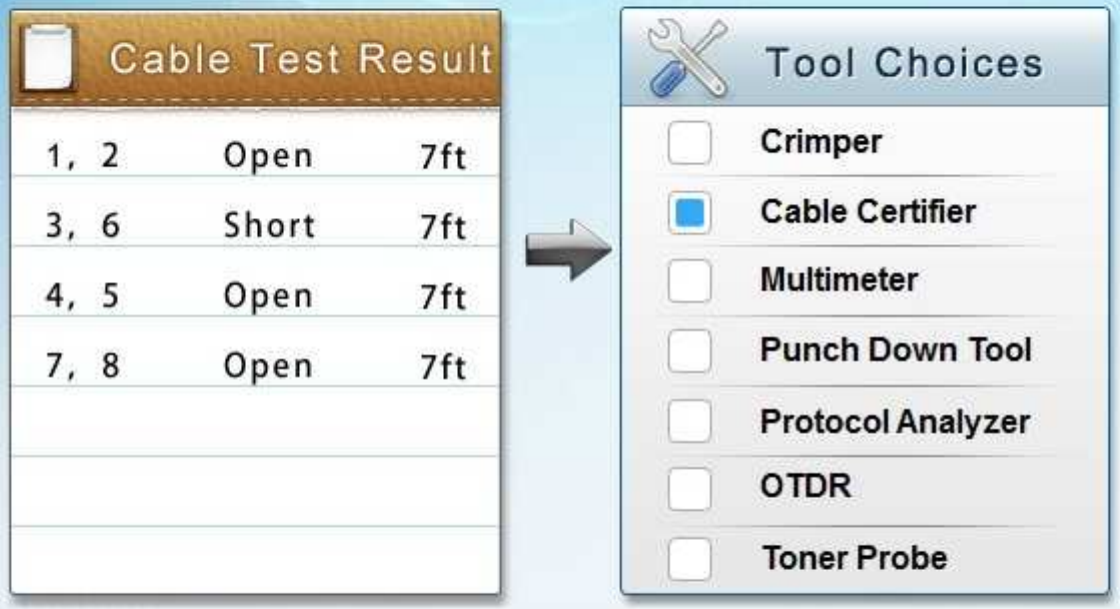
After you are done with your analysis, click the 'Submit Cable Test Analysis' button.

- Correctly crimped cable
- Incorrectly crimped cable

Submit Cable Test Analysis

Cable Test

Step 1: Select the tool that was used to create the cable test results.



Step 2: Interpret the test results and select the option that explains the results.

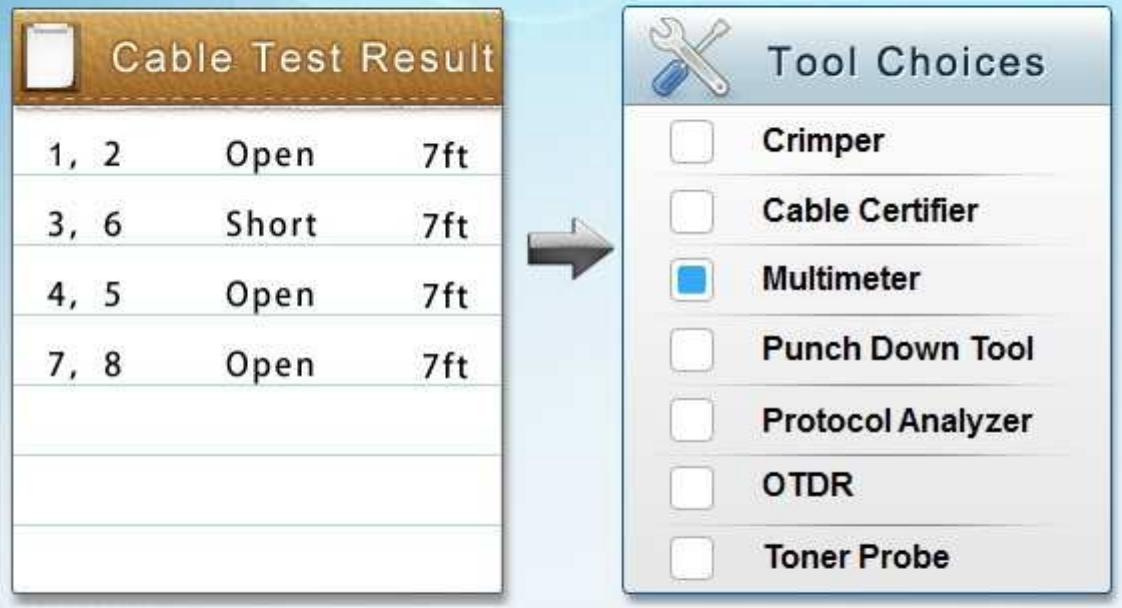
After you are done with your analysis, click the 'Submit Cable Test Analysis' button.

- Correctly crimped cable
- Incorrectly crimped cable

Submit Cable Test Analysis

Cable Test

Step 1: Select the tool that was used to create the cable test results.



Step 2: Interpret the test results and select the option that explains the results.

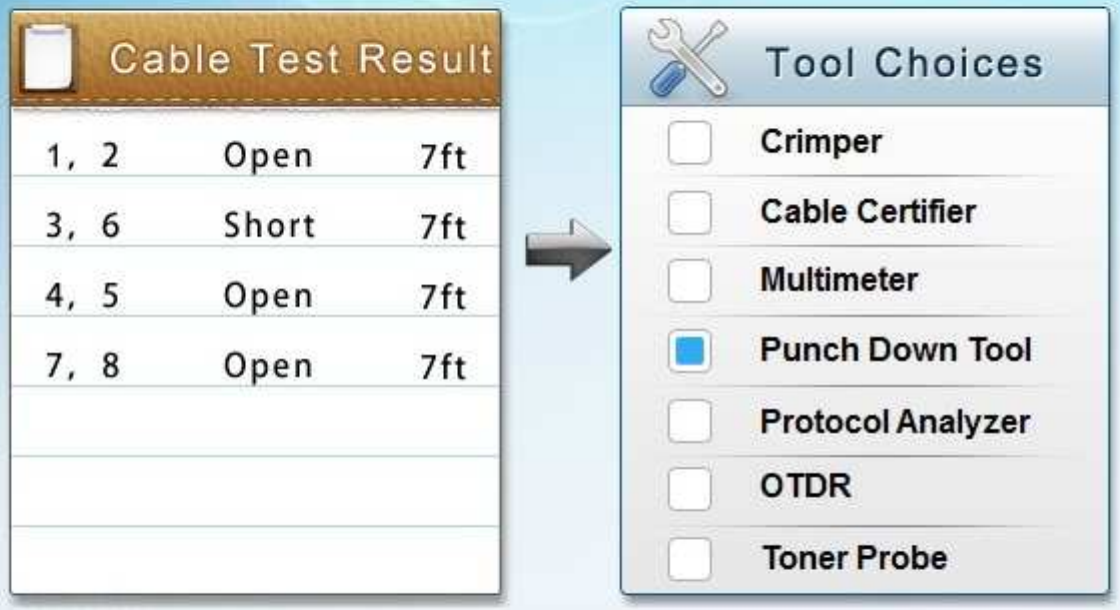
After you are done with your analysis, click the 'Submit Cable Test Analysis' button.

- Correct voltage on the cable
- Incorrect voltage on the cable

Submit Cable Test Analysis

Cable Test

Step 1: Select the tool that was used to create the cable test results.



Step 2: Interpret the test results and select the option that explains the results.

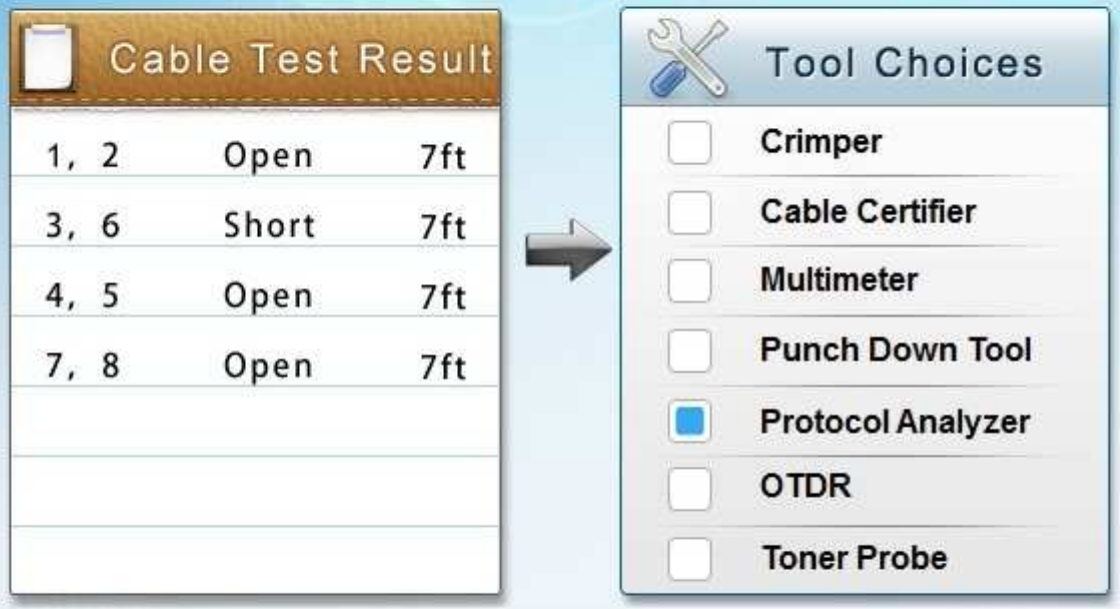
After you are done with your analysis, click the 'Submit Cable Test Analysis' button.

- Correctly punched cable
- Incorrectly punched cable

Submit Cable Test Analysis

Cable Test

Step 1: Select the tool that was used to create the cable test results.



Step 2: Interpret the test results and select the option that explains the results.

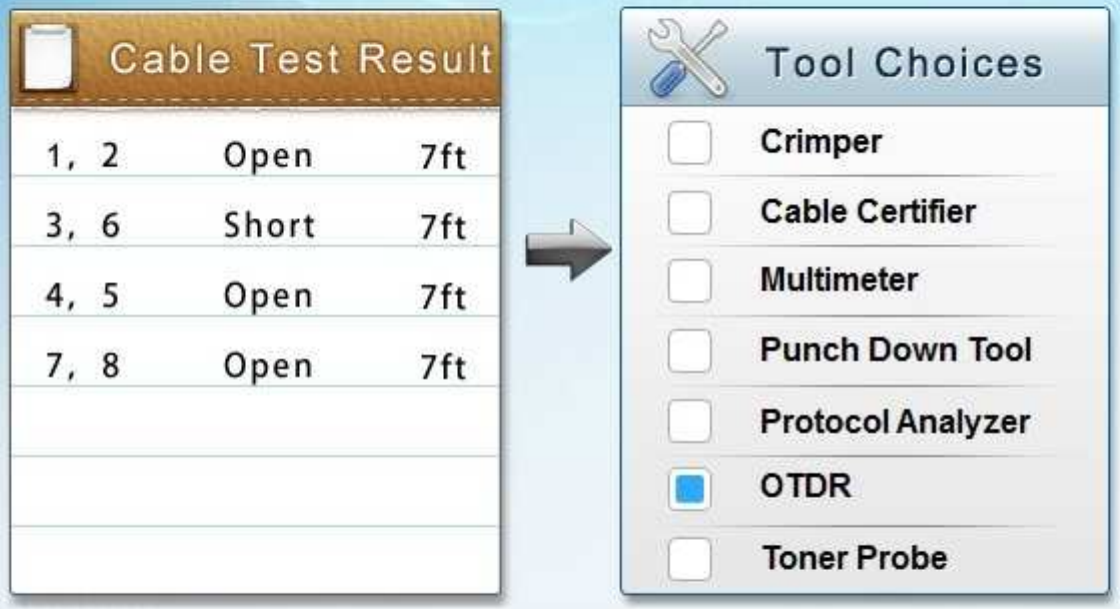
After you are done with your analysis, click the 'Submit Cable Test Analysis' button.

- ○ Correct captured packets
- ○ Incorrect captured packets

Submit Cable Test Analysis

Cable Test

Step 1: Select the tool that was used to create the cable test results.



Step 2: Interpret the test results and select the option that explains the results.

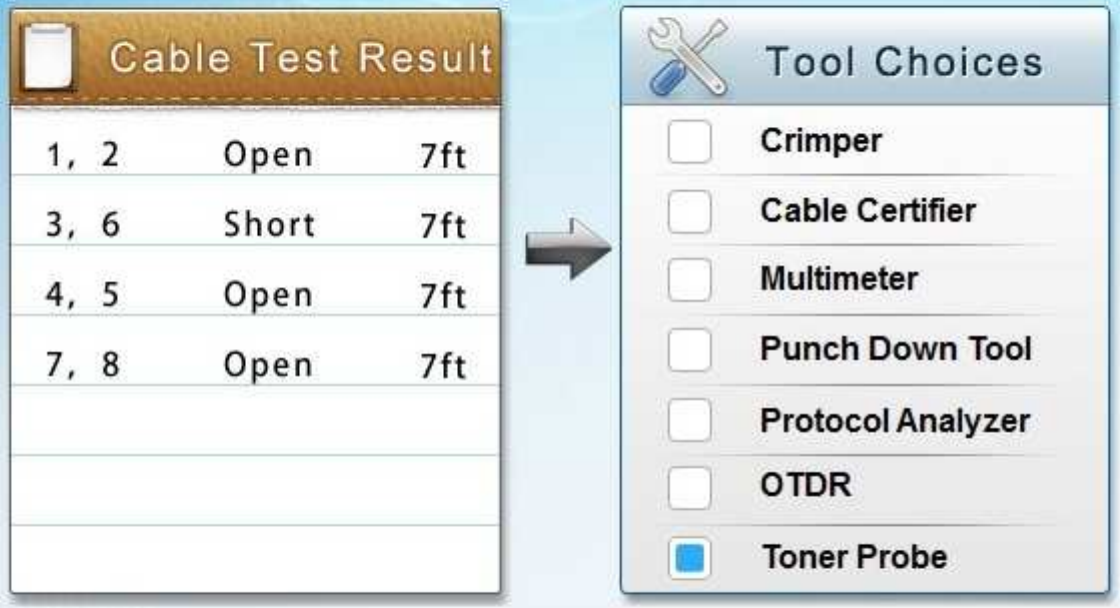
After you are done with your analysis, click the 'Submit Cable Test Analysis' button.

- ○ Correct length cable
- ○ Incorrect length cable

Submit Cable Test Analysis

Cable Test

Step 1: Select the tool that was used to create the cable test results.



Step 2: Interpret the test results and select the option that explains the results.

After you are done with your analysis, click the 'Submit Cable Test Analysis' button.

- ○ Correctly toned cable
- ○ Incorrectly toned cable

Submit Cable Test Analysis

Correct Answer: Solution is pending. Please suggest your solution for this simulation question to us.
Section: (none)
Explanation

Explanation/Reference:

QUESTION 87
A company wants to create highly available datacenters. Which of the following will allow the company to continue to maintain an Internet presence at all sites in the event that a WAN circuit at one site goes down?

A. Load balancer
B. VRRP
C. OSPF
D. BGP

Correct Answer: D
Section: Network Architecture
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
A network technician has received a help desk ticket indicating that after the new wireless access point was installed, all of the media department's devices are experiencing sporadic wireless connectivity. All other departments are connecting just fine and the settings on the new access point were copied from the baseline. Which of the following is a reason why the media department is not connecting?

A. Wrong SSID
B. Rogue access point
C. Placement
D. Channel mismatch

Correct Answer: C
Section: Mixed Set
Explanation

Explanation/Reference:
correct answer.

QUESTION 89
Ann, a user, is experiencing an issue with her wireless device. While in the conference area, the wireless signal is steady and strong. However, at her desk the signal is consistently dropping, yet the device indicates a strong signal. Which of the following is the MOST likely cause of the issue?

A. Signal-to-noise ratio
B. AP configuration
C. Incorrect SSID
D. Bounce

Correct Answer: D
Section: Mixed Set
Explanation

Explanation/Reference:
finely answered.

QUESTION 90
A desktop computer is connected to the network and receives an APIPA address but is unable to reach the VLAN gateway of 10.10.100.254. Other PCs in the VLAN subnet are able to reach the Internet. Which of the following is MOST likely the source of the problem?

A. 802.1q is not configured on the switch port
B. APIPA has been misconfigured on the VLAN
C. Bad SFP in the PC's 10/100 NIC
D. OS updates have not been installed

Correct Answer: A
Section: Mixed Set
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
Corporate headquarters provided your office a portion of their class B subnet to use at a new office location. Allocate the minimum number of addresses (using CIDR notation) needed to accommodate each department.

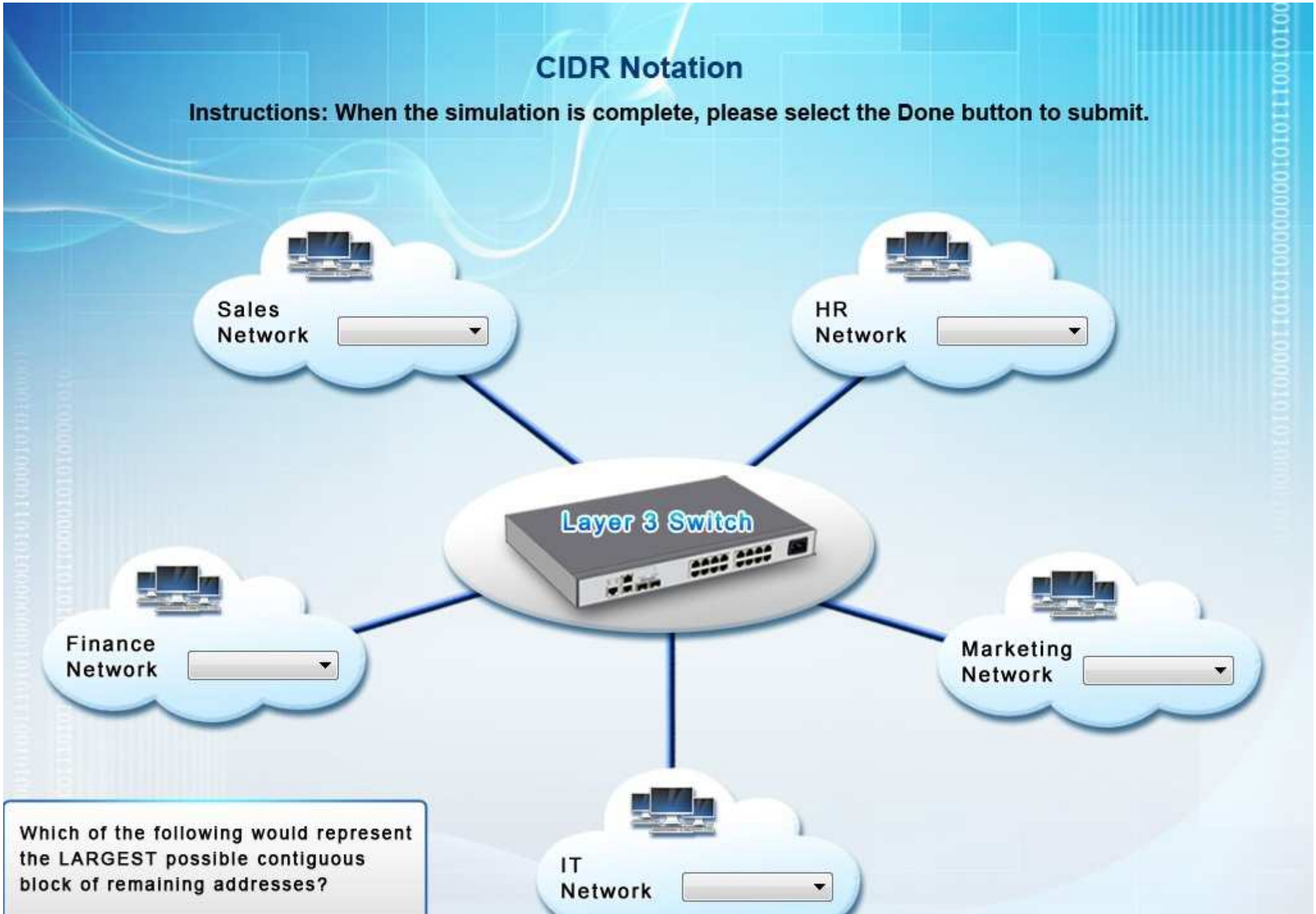
Range Given: 172.30.232.0/24

- Sales 57 devices
- HR 23 devices
- IT 12 devices
- Finance 32 devices
- Marketing 9 devices

Alter accommodating each department, identify the unused portion of the subnet by responding to the question on the graphic. All drop downs must be filled.
Instructions: When the simulation is complete, please select the Done button to submit.

CIDR Notation

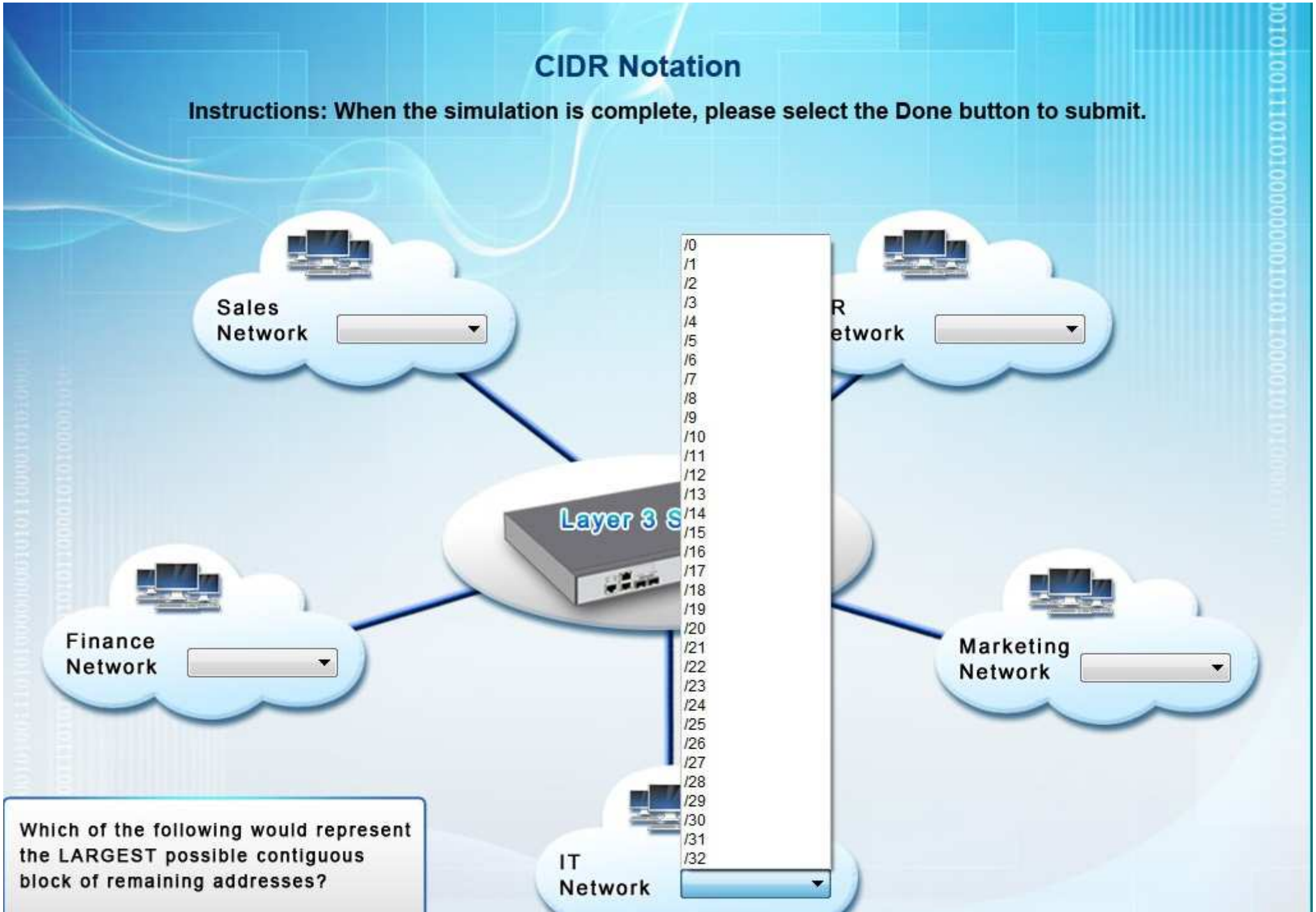
Instructions: When the simulation is complete, please select the Done button to submit.



Which of the following would represent the LARGEST possible contiguous block of remaining addresses?

CIDR Notation

Instructions: When the simulation is complete, please select the Done button to submit.



Which of the following would represent the LARGEST possible contiguous block of remaining addresses?

Hot Area:

Correct Answer:

Section: (none)
Explanation

Explanation/Reference:

QUESTION 92
Which of the following connection types is used to terminate DS3 connections in a telecommunications facility?

A. 66 block
B. BNC
C. F-connector
D. RJ-11

Correct Answer: B
Section: Mixed Set
Explanation

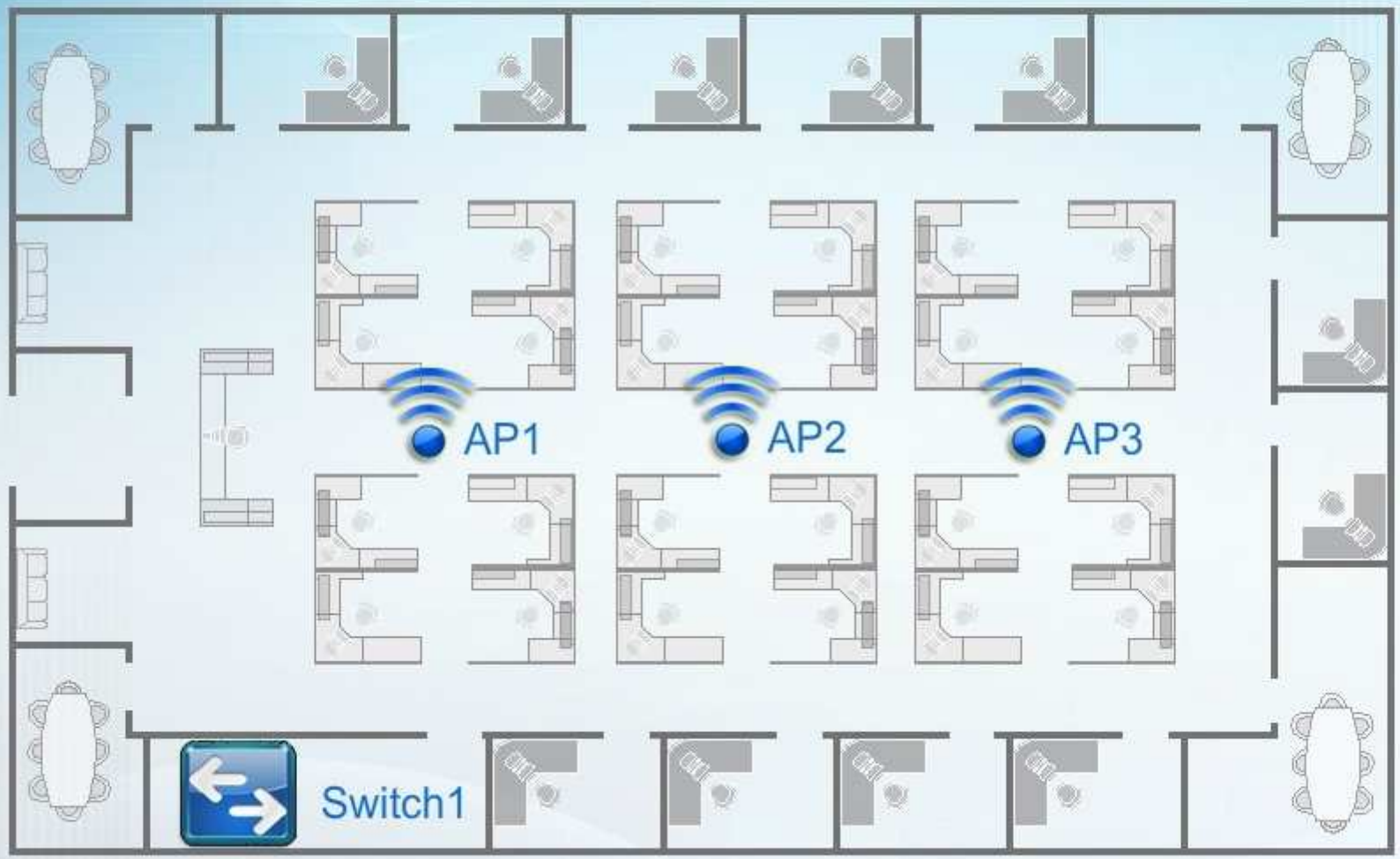
Explanation/Reference:
best asnwer.

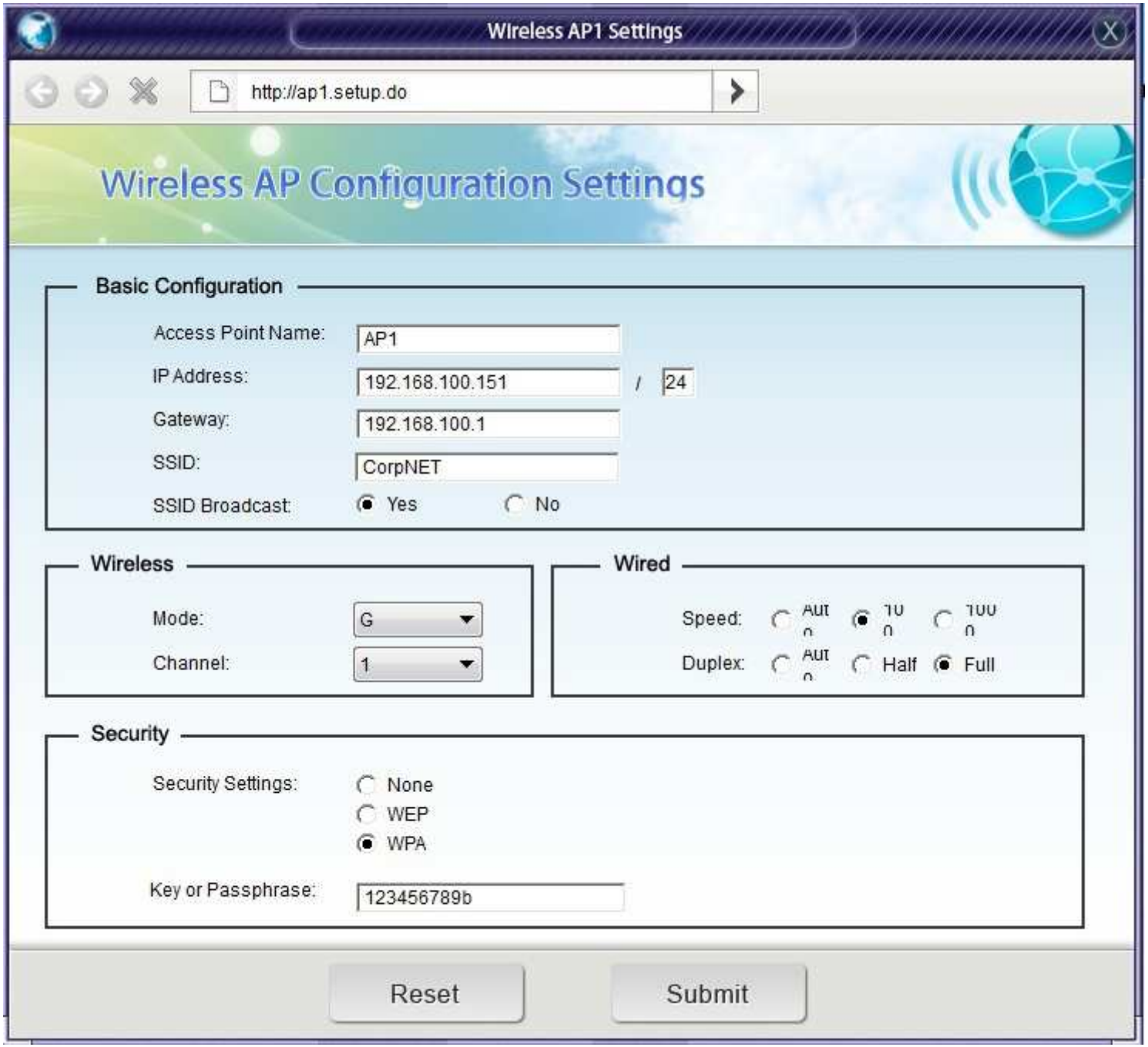
QUESTION 93
Wireless network users recently began experiencing speed and performance issues after access point 2 (AP2) was replaced due to faulty hardware. The original network was installed according to a consultant's specifications and has always worked without a problem.
You, a network technician, have been tasked with evaluating the situation and resolving the issues to improve both performance and connectivity. Refer to the following diagram and perform any NECESSARY changes to the wireless and wired infrastructure by adjusting devices.
Note: Adjust the LEAST number of devices needed to fix the issue, all blue icons in the image are clickable. When you feel the simulation is complete please select the Done button.

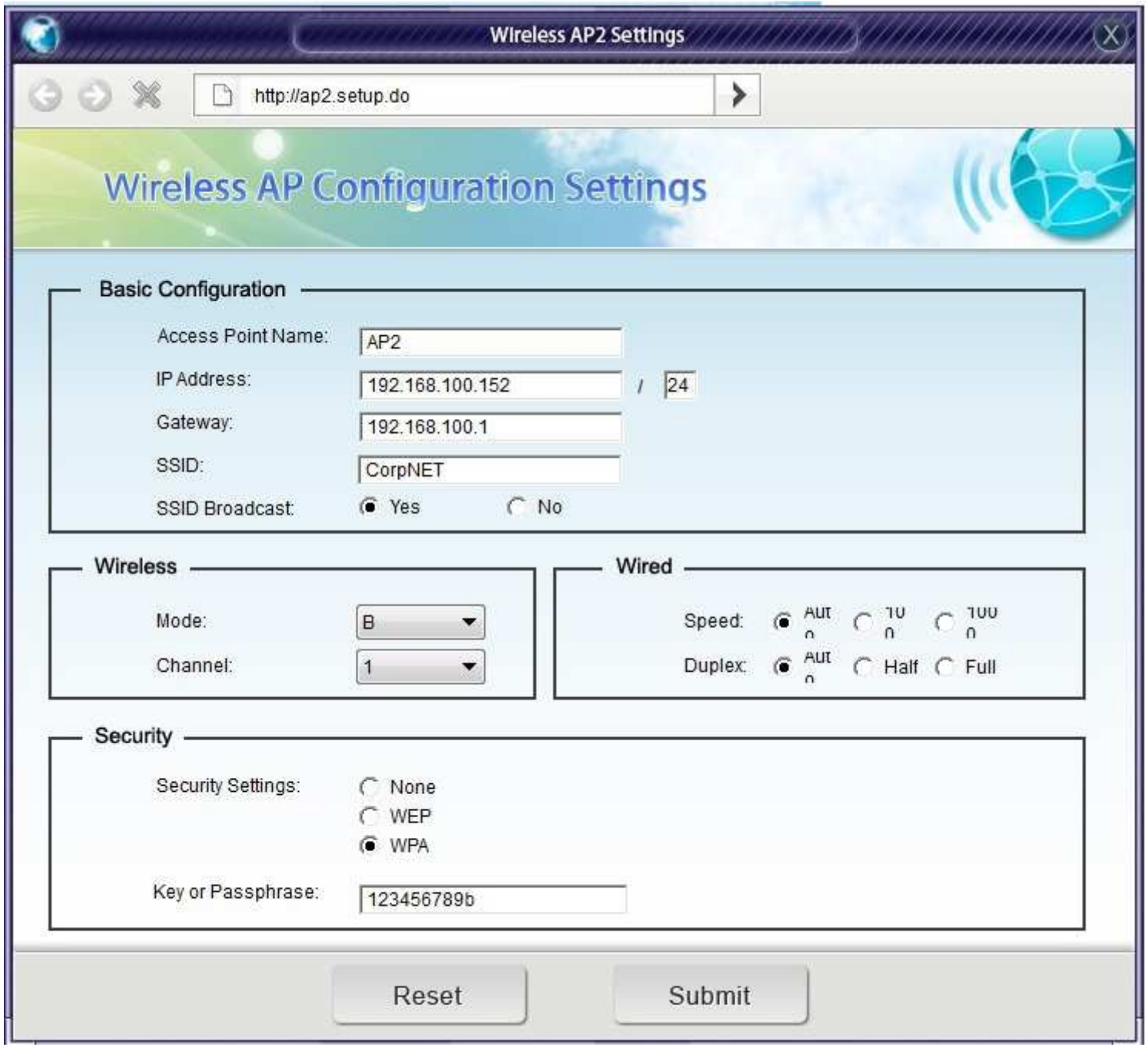
Network Diagram

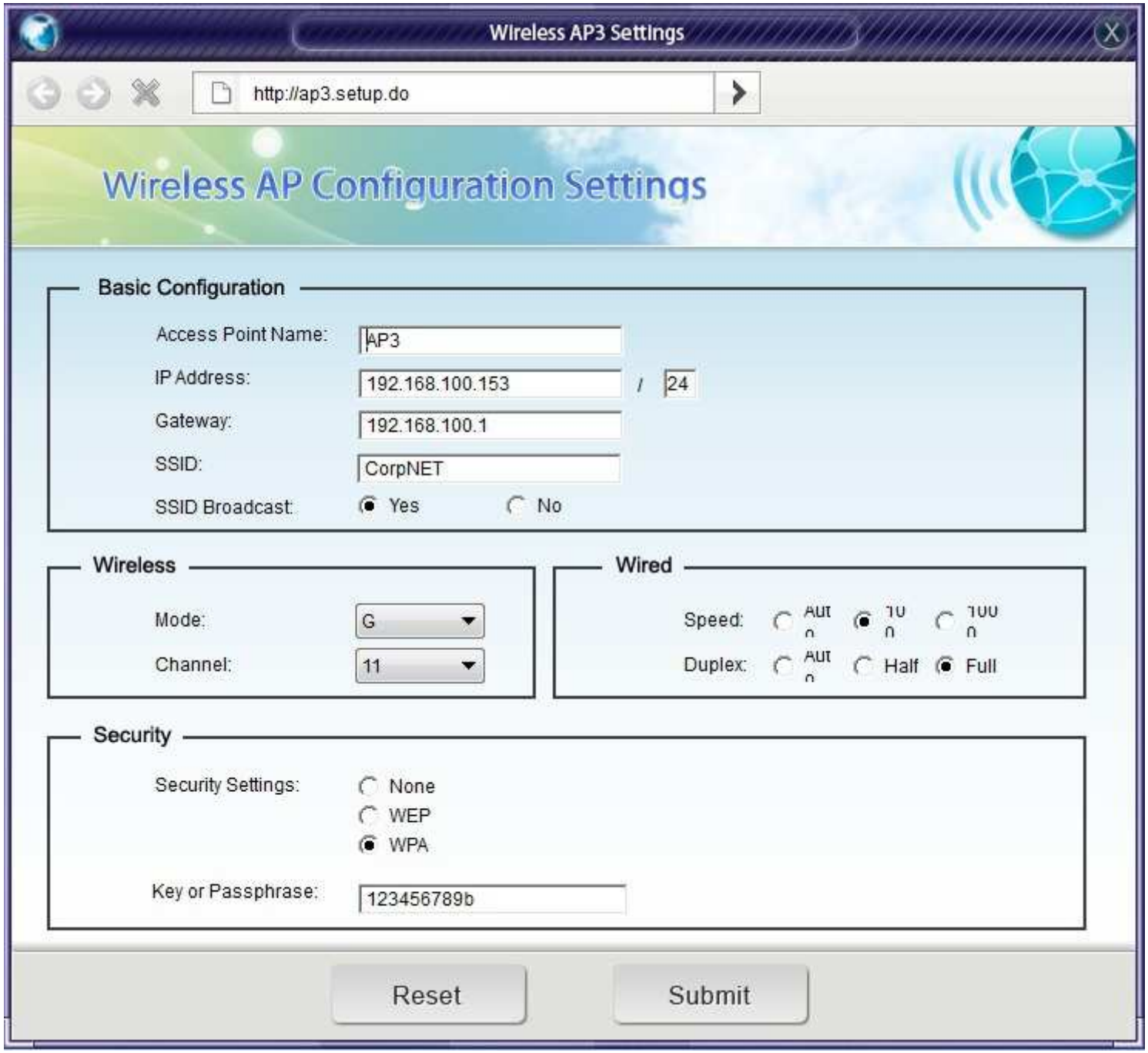
Instructions: Perform changes to the wireless and wired infrastructure by adjusting the devices.

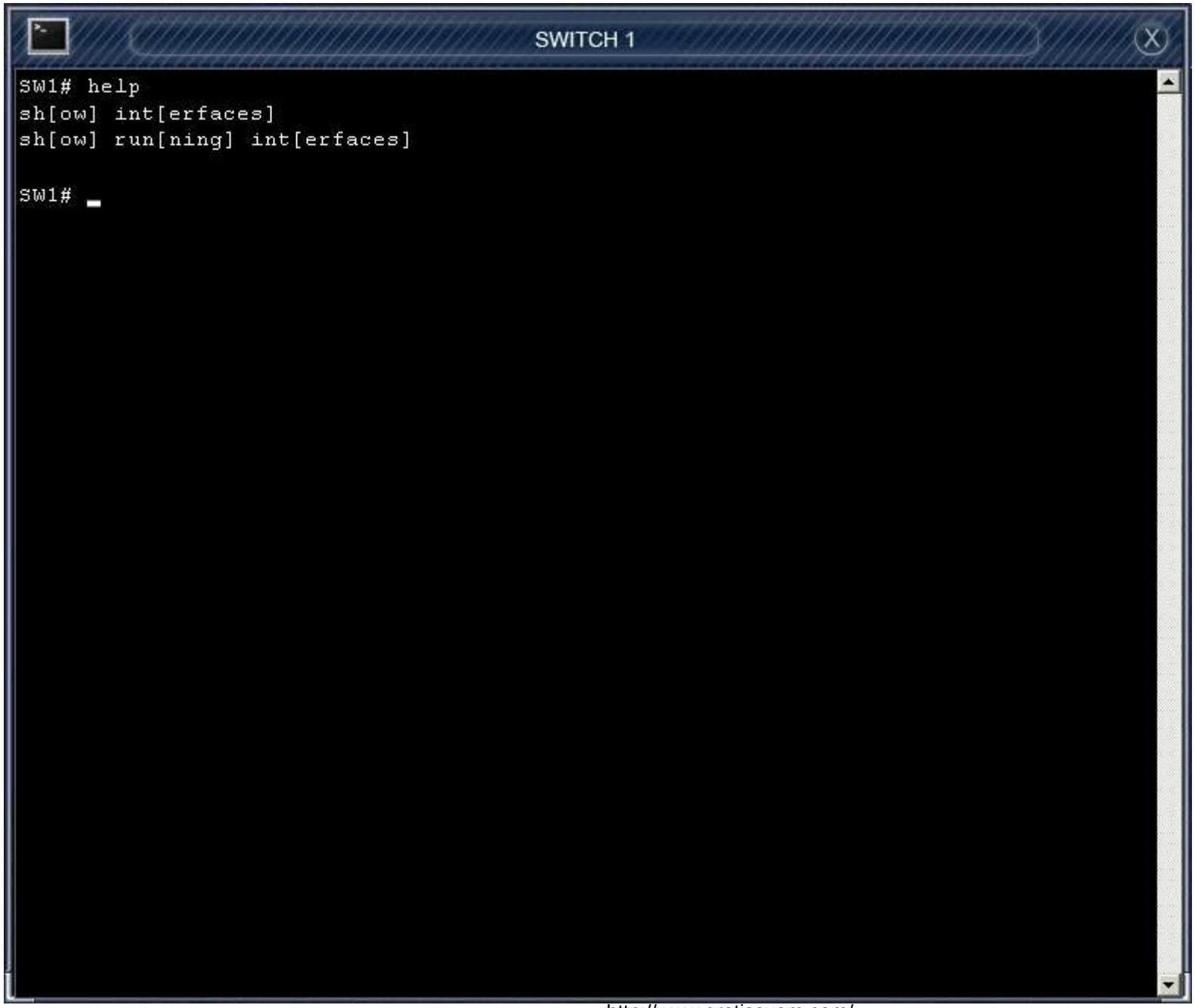
AP Physical Locations




Wireless AP1 Settings
http://ap1.setup.do
Wireless AP Configuration Settings
Basic Configuration
Access Point Name:
AP1
IP Address:
192.168.100.151
/
24
Gateway:
192.168.100.1
SSID:
CorpNET
SSID Broadcast:
Yes
No
Wireless
Mode:
G
Channel:
1
Wired
Speed:
Aut
o
10
0
100
0
Duplex:
Aut
o
Half
Full
Security
Security Settings:
None
WEP
WPA
Key or Passphrase:
123456789b
Reset
Submit


Wireless AP2 Settings
http://ap2.setup.do
Wireless AP Configuration Settings
Basic Configuration
Access Point Name:
AP2
IP Address:
192.168.100.152
/
24
Gateway:
192.168.100.1
SSID:
CorpNET
SSID Broadcast:
Yes
No
Wireless
Mode:
B
Channel:
1
Wired
Speed:
Aut
o
10
0
100
0
Duplex:
Aut
o
Half
Full
Security
Security Settings:
None
WEP
WPA
Key or Passphrase:
123456789b
Reset
Submit

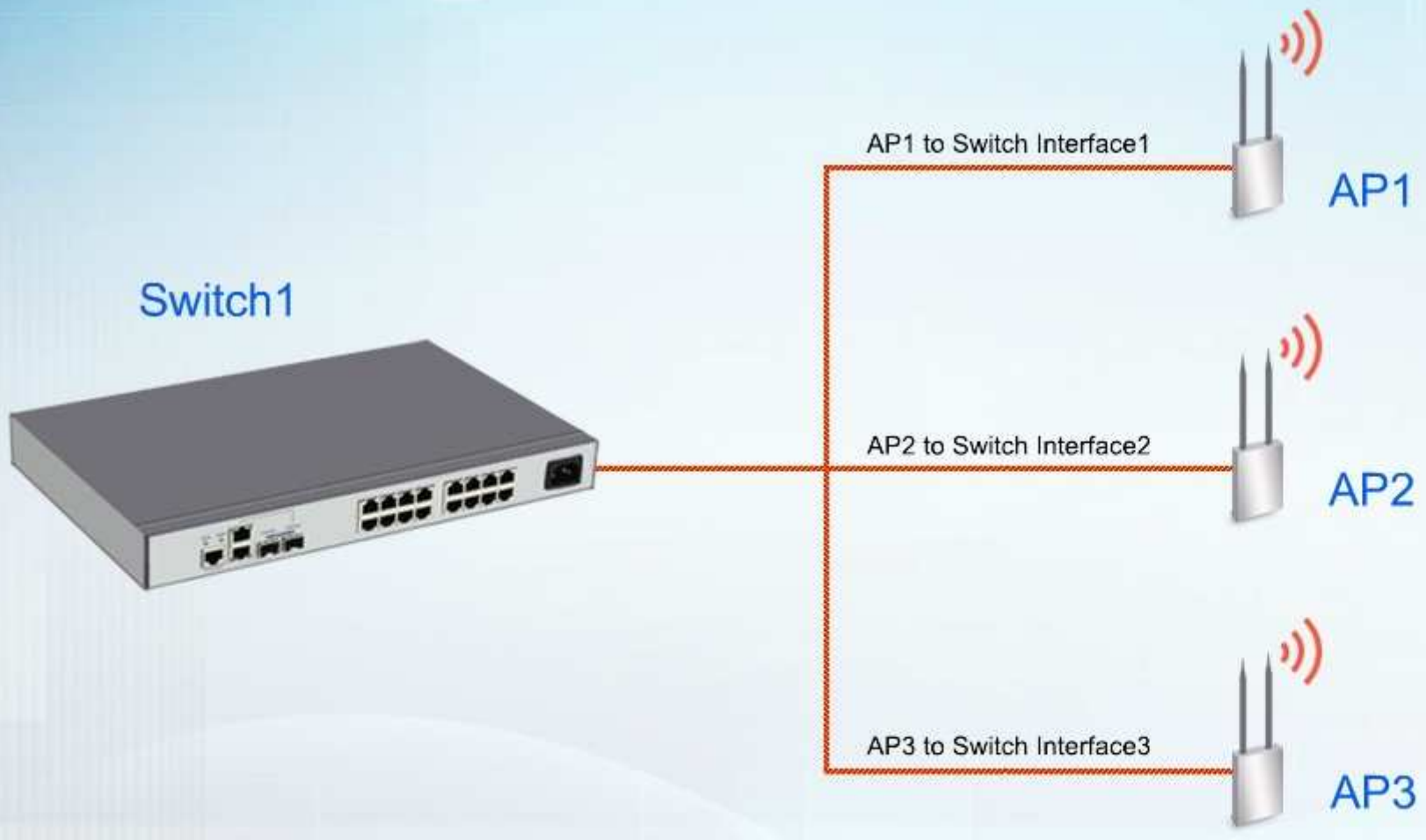

Wireless AP3 Settings
http://ap3.setup.do
Wireless AP Configuration Settings
Basic Configuration
Access Point Name:
AP3
IP Address:
192.168.100.153
/
24
Gateway:
192.168.100.1
SSID:
CorpNET
SSID Broadcast:
Yes
No
Wireless
Mode:
G
Channel:
11
Wired
Speed:
Aut
o
10
0
100
0
Duplex:
Aut
o
Half
Full
Security
Security Settings:
None
WEP
WPA
Key or Passphrase:
123456789b
Reset
Submit



Network Diagram

Instructions: Perform changes to the wireless and wired infrastructure by adjusting the devices.

Logical Network Diagram



Correct Answer: -Change the speed and duplex settings on AP2 only to 100 and full. -or- -Change the mode to G on AP2 -or- -Change the channel to 6 on AP2
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Since we know that the network was running perfectly before replacing AP2 we should start by looking at this new device that was used to replace the old one. Here we see that the other AP's have hard coded the speed and duplex settings to 100/full, while AP2 is set to auto/auto.
Also, the other AP's have been configured to use 802.11G, while AP2 is using 802.11B.
Finally the channel that AP2 is using overlaps with AP1 which can cause problems. Channels 1, 6, and 11 are spaced far enough apart that they don't overlap. On a non-MIMO setup (i.e. 802.11 a, b, or g) you should always try to use channel 1, 6, or 11. Since AP1 is using 1, and AP3 is using 11, AP2 should be using 6.

QUESTION 94
A network technician is performing a tracert command to troubleshoot a website-related issue. The following output is received for each hop in the tracert:
1 * * * Request timed out.
2 * * * Request timed out.
3 * * * Request timed out.

The technician would like to see the results of the tracert command. Which of the following will allow the technician to perform tracert on external sites but not allow outsiders to discover information from inside the network?

A. Enable split horizon to allow internal tracert commands to pass through the firewall
B. Enable IGMP messages out and block IGMP messages into the network
C. Configure the firewall to allow echo reply in and echo request out of the network
D. Install a backdoor to access the router to allow tracert messages to pass through

Correct Answer: C
Section: Troubleshooting
Explanation

Explanation/Reference:

QUESTION 95
A network technician must utilize multimode fiber to uplink a new networking device. Which of the following Ethernet standards could the technician utilize? (Select TWO).

A. 1000Base-LR
B. 1000Base-SR
C. 1000Base-T
D. 10GBase-LR
E. 10GBase-SR
F. 10GBase-T

Correct Answer: BE
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
Explanation:

QUESTION 96
A network administrator is using a packet analyzer to determine an issue on the local LAN. Two separate computers are showing an error message on the screen and are unable to communicate with other computers in the same lab. The network administrator looks at the following output:

SRC MAC SRC IP DST MAC DST IP
00:1D:1F:AB:10:7D 192.168.1.10:2000 15:BE:9F:AB:10:1D 192.168.1.14:1200
05:DD:1F:AB:10:27 192.168.1.10:1000 22:C7:2F:AB:10:A2 192.168.1.15:1300

Given that all the computers in the lab are directly connected to the same switch, and are not using any virtualization technology, at which of the following layers of the OSI model is the problem occurring?

A. Network
B. Application
C. Data link
D. Transport

Correct Answer: A
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
Explanation:

QUESTION 97
Which of the following requires the network administrator to schedule a maintenance window?

A. When a company-wide email notification must be sent.
B. A minor release upgrade of a production router.
C. When the network administrator's laptop must be rebooted.
D. A major release upgrade of a core switch in a test lab.

Correct Answer: B
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
fine answer.

QUESTION 98
The management team wants to set up a wireless network in their office but all of their phones operate at the 2.4 GHz frequency. They need a wireless network that would be able to operate at a higher frequency than their phones. Which of following standards should be used?

A. 802.11a
B. 802.11b
C. 802.11g
D. 802.1x

Correct Answer: A
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
Explanation:

QUESTION 99
Which of the following will negotiate standoff timers to allow multiple devices to communicate on congested network segments?

A. CSMA/CD
B. OSPF
C. DOCSIS
D. BGP

Correct Answer: A

Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
Explanation:

QUESTION 100
A network administrator has created a virtual machine in the cloud. The technician would like to connect to the server remotely using RDP. Which of the following default ports needs to be opened?

A. 445
B. 3389
C. 5004
D. 5060

Correct Answer: B
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
Explanation:

QUESTION 101
Which of the following does a network technician need to implement if a change is unsuccessful within the approved maintenance window?

A. Configuration procedures
B. Stakeholder notification
C. Impact analysis
D. Rollback procedure

Correct Answer: D
Section: Industry Standards, Practices, and Network Theory
Explanation

Explanation/Reference:
correct answer.

QUESTION 102
Which of the following would be used in an IP-based video conferencing deployment? (Select TWO).

A. RS-232
B. 56k modem
C. Bluetooth
D. Codec
E. SIP

Correct Answer: DE
Section: Network Architecture
Explanation

Explanation/Reference:
genuine answer.

QUESTION 103
Which of the following communication technologies would MOST likely be used to increase bandwidth over an existing fiber optic network by combining multiple signals at different wavelengths?

A. DWDM
B. SONET
C. ADSL
D. LACP

Correct Answer: A
Section: Network Architecture
Explanation

Explanation/Reference:
Explanation:

QUESTION 104
Which of the following WAN technologies is associated with high latency?

A. T1
B. Satellite
C. Cable
D. OCx

Correct Answer: B
Section: Network Architecture
Explanation

Explanation/Reference:
Explanation:

QUESTION 105
Which of the following is used to define how much bandwidth can be used by various protocols on the network?

A. Traffic shaping
B. High availability
C. Load balancing
D. Fault tolerance

Correct Answer: A
Section: Network Architecture
Explanation

Explanation/Reference:
fine answer.

QUESTION 106
Which of the following network topologies has a central, single point of failure?

A. Ring
B. Star
C. Hybrid
D. Mesh

Correct Answer: B
Section: Network Architecture
Explanation

Explanation/Reference:
well answered.

QUESTION 107
A technician is helping a SOHO determine where to install the server. Which of the following should be considered FIRST?

A. Compatibility requirements
B. Environment limitations
C. Cable length
D. Equipment limitations

Correct Answer: B
Section: Network Architecture
Explanation

Explanation/Reference:
Explanation:

QUESTION 108
A technician has been given a list of requirements for a LAN in an older building using CAT6 cabling. Which of the following environmental conditions should be considered when deciding whether or not to use plenum-rated cables?

A. Workstation models
B. Window placement
C. Floor composition
D. Ceiling airflow condition

Correct Answer: D
Section: Network Architecture
Explanation

Explanation/Reference:
properly answered.

QUESTION 109
A company has a new offering to provide access to their product from a central location rather than clients internally hosting the product on the client network. The product contains sensitive corporate information that should not be accessible from one client to another. This is an example of which of the following?

A. Public SaaS
B. Private SaaS
C. Hybrid IaaS
D. Community IaaS

Correct Answer: B

Section: Network Architecture
Explanation

Explanation/Reference:
actual answer.

QUESTION 110
Which of the following refers to a network that spans several buildings that are within walking distance of each other?

A. CAN
B. WAN
C. PAN
D. MAN

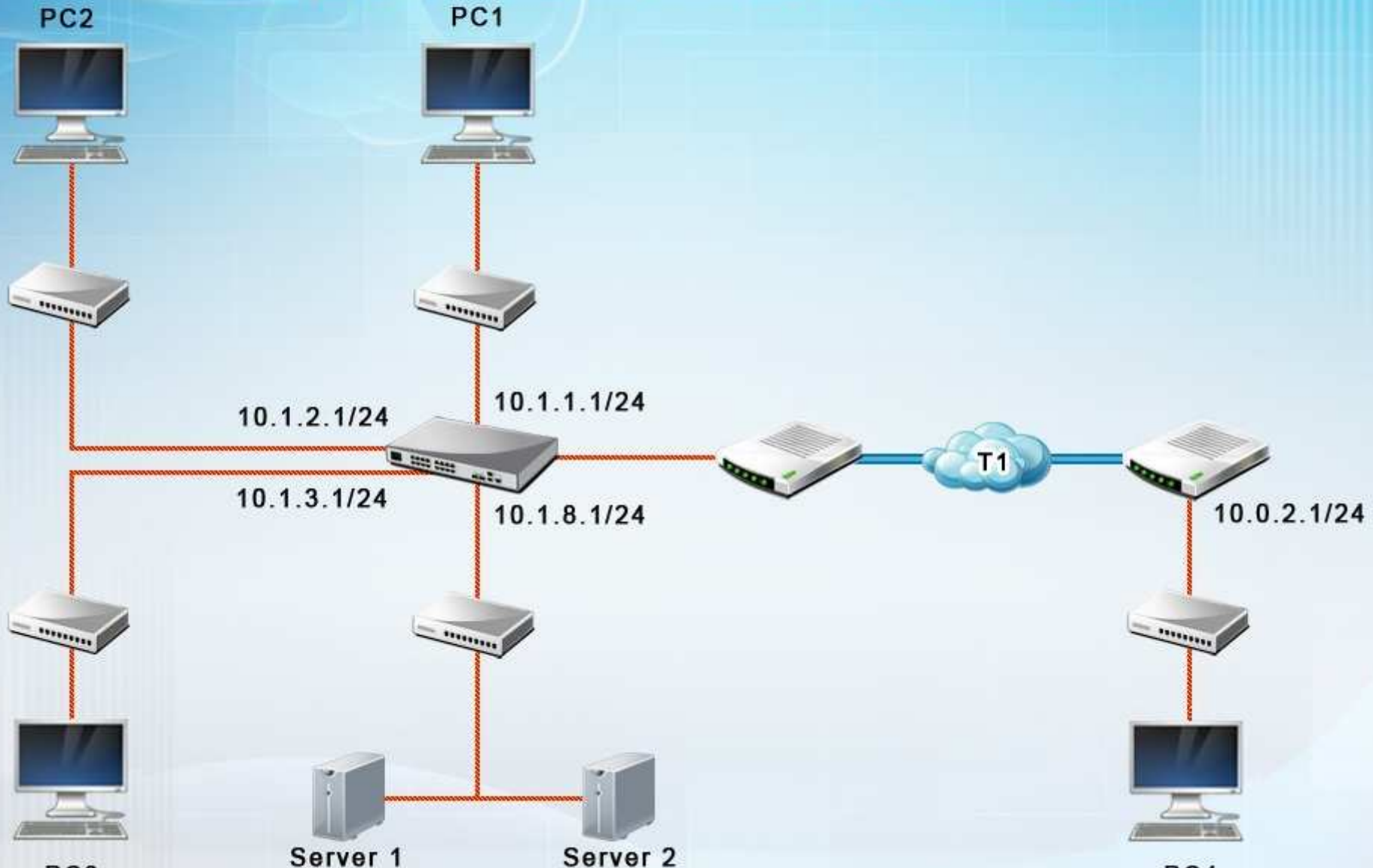
Correct Answer: A
Section: Network Architecture
Explanation

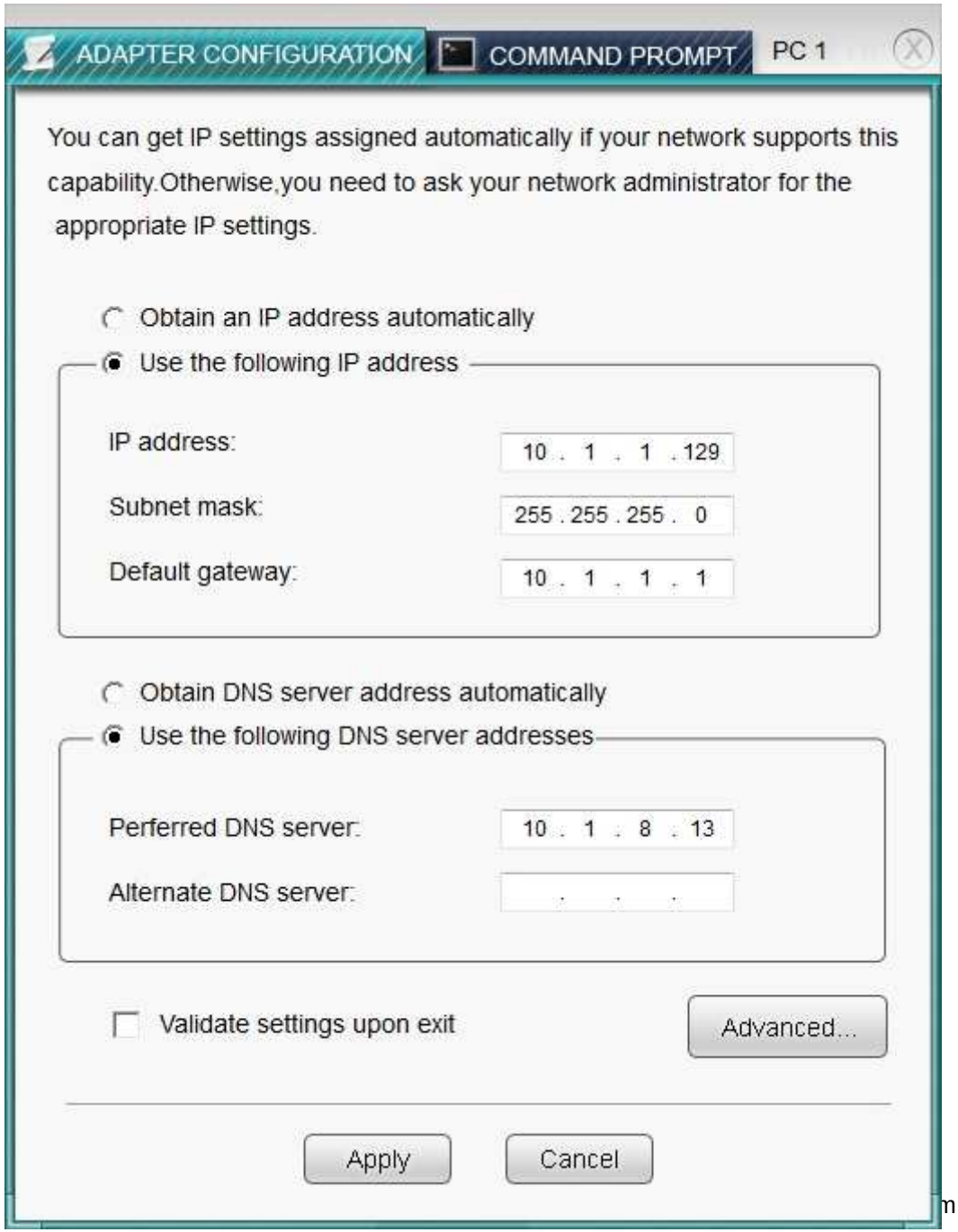
Explanation/Reference:
best suitable answer.

QUESTION 111
Alter recent changes to the pictured network, several users are unable to access the servers. Only PC1, PC2, PC3, and PC4 are clickable and will give you access to the command prompt and the adapter configuration tabs.
Instructions: Verify the settings by using the command prompt, after making any system changes. Next, restore connectivity by making the appropriate changes to the infrastructure. When you have completed these steps, select the Done button to submit.

Network Diagram

Instructions: Verify the settings by using the command prompt, after making any system changes. Next, restore connectivity by making the appropriate changes to the infrastructure. When you have completed these steps, select the Done button to submit.




ADAPTER CONFIGURATION
COMMAND PROMPT
PC 1
You can get IP settings assigned automatically if your network supports this capability.Otherwise,you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address
IP address:
10 . 1 . 1 . 129
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
10 . 1 . 1 . 1
Obtain DNS server address automatically
Use the following DNS server addresses
Perferred DNS server:
10 . 1 . 8 . 13
Alternate DNS server:
Validate settings upon exit
Advanced...
Apply
Cancel

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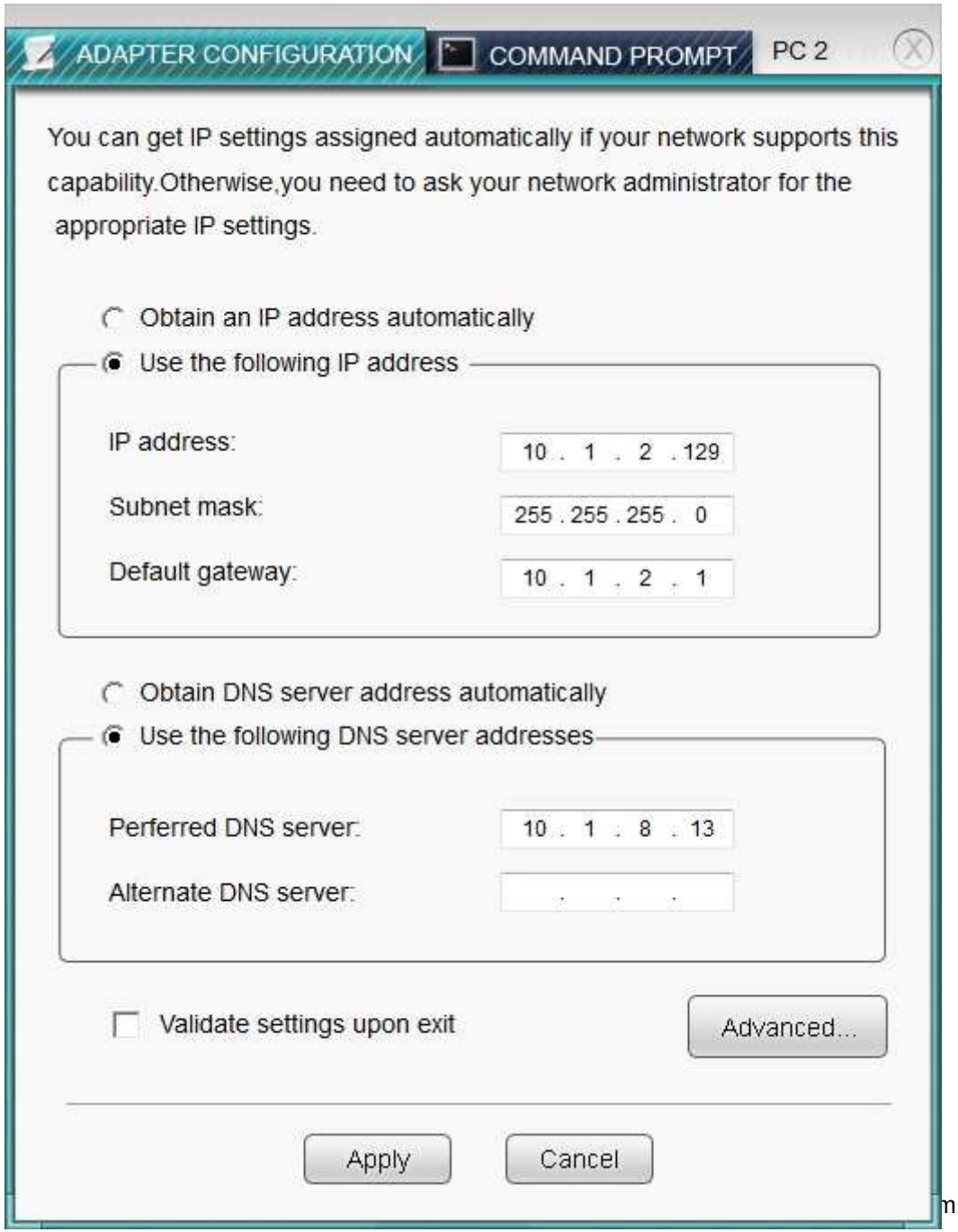
ADAPTER CONFIGURATION
COMMAND PROMPT
PC 2
You can get IP settings assigned automatically if your network supports this capability.Otherwise,you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address
IP address:
10 . 1 . 2 . 129
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
10 . 1 . 2 . 1
Obtain DNS server address automatically
Use the following DNS server addresses
Perferred DNS server:
10 . 1 . 8 . 13
Alternate DNS server:
Validate settings upon exit
Advanced...
Apply
Cancel

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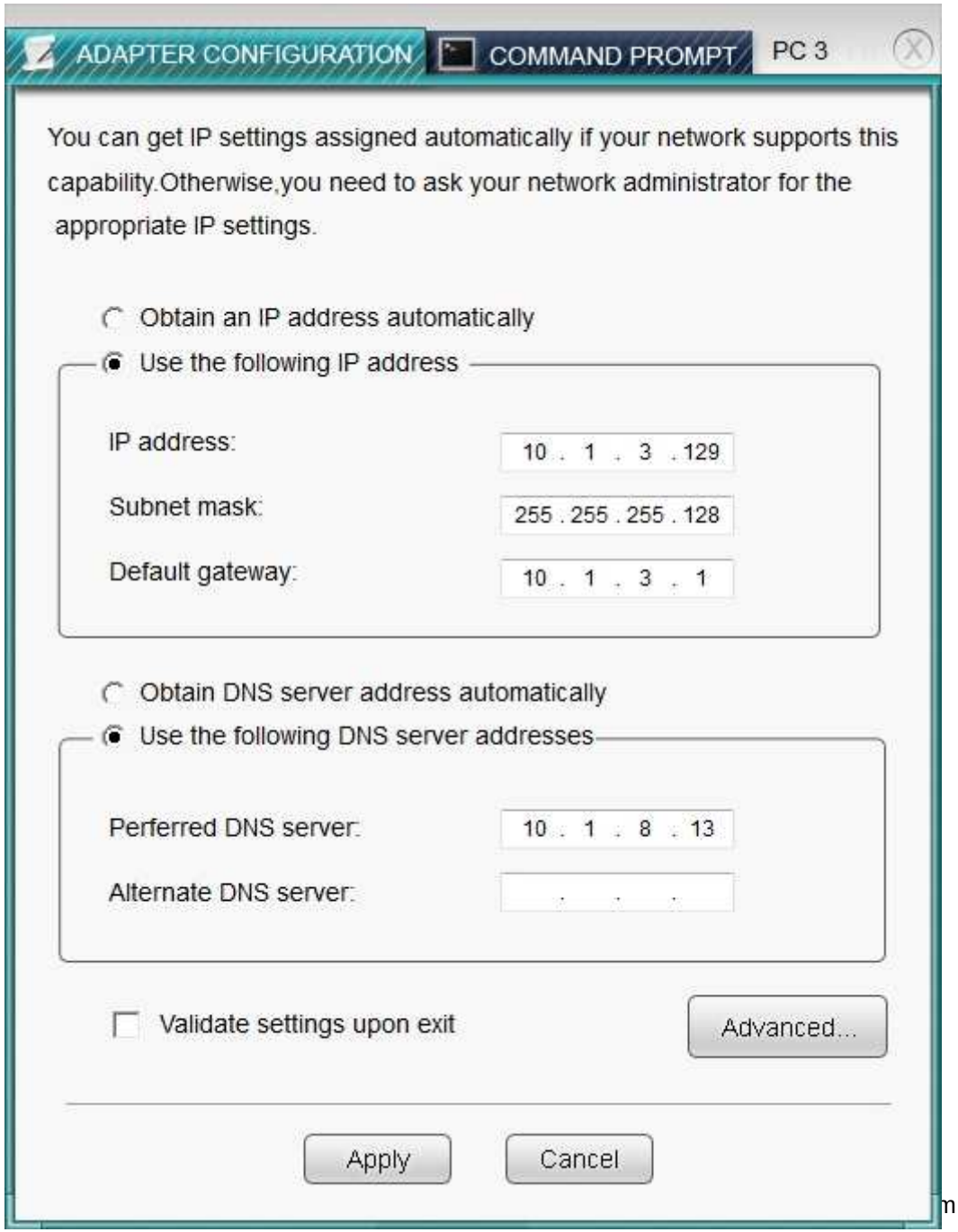
ADAPTER CONFIGURATION
COMMAND PROMPT
PC 3
You can get IP settings assigned automatically if your network supports this capability.Otherwise,you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address
IP address:
10 . 1 . 3 . 129
Subnet mask:
255 . 255 . 255 . 128
Default gateway:
10 . 1 . 3 . 1
Obtain DNS server address automatically
Use the following DNS server addresses
Perferred DNS server:
10 . 1 . 8 . 13
Alternate DNS server:
Validate settings upon exit
Advanced...
Apply
Cancel

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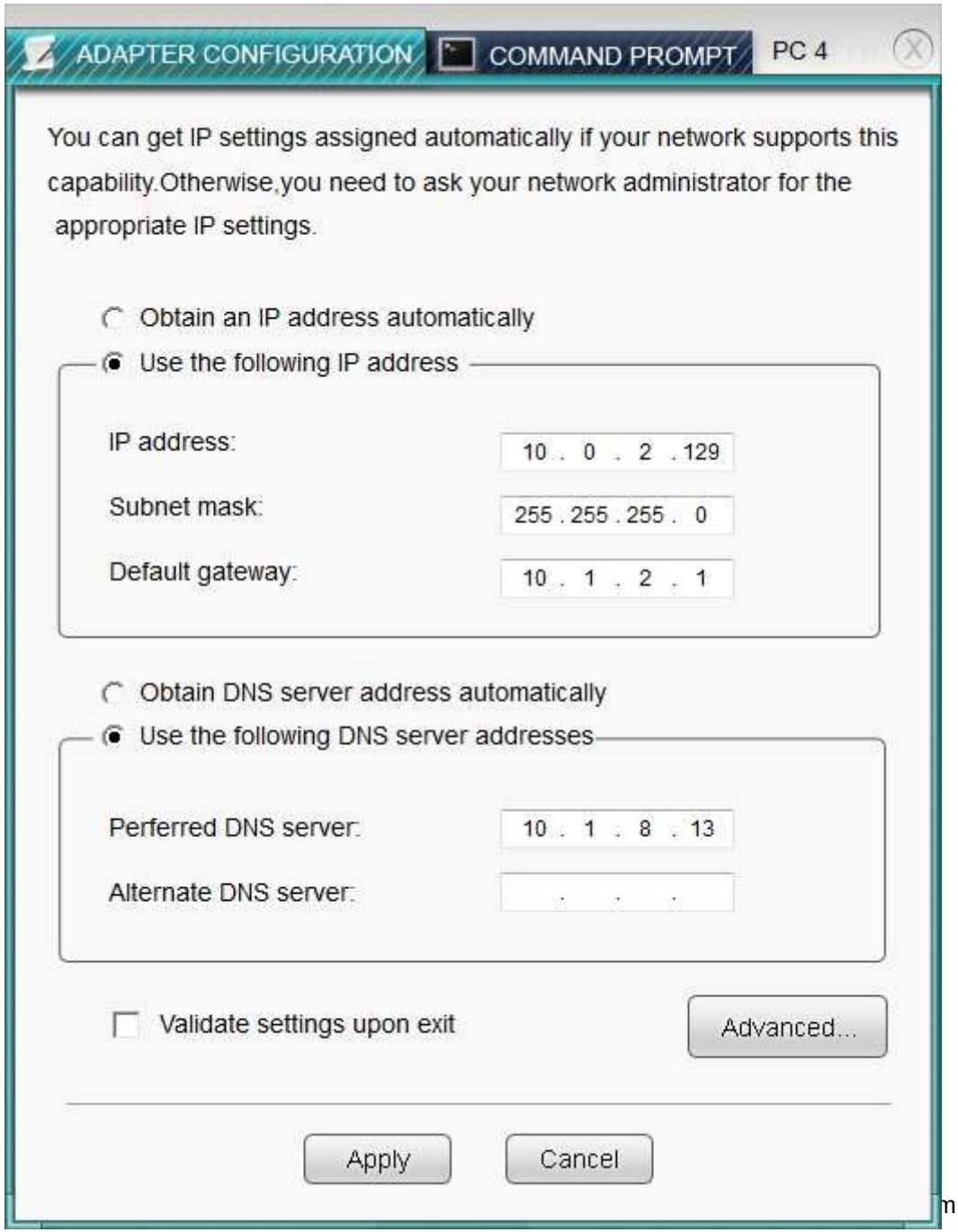
ADAPTER CONFIGURATION
COMMAND PROMPT
PC 4
You can get IP settings assigned automatically if your network supports this capability.Otherwise,you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address
IP address:
10 . 0 . 2 . 129
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
10 . 1 . 2 . 1
Obtain DNS server address automatically
Use the following DNS server addresses
Perferred DNS server:
10 . 1 . 8 . 13
Alternate DNS server:
Validate settings upon exit
Advanced...
Apply
Cancel

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Correct Answer: On PC3, change the subnet mask to 255.255.255.0. When it is set to 255.255.255.128, then the PC with a .129 address will not be on the same subnet as the default gateway which is .1 On PC4, change the default gateway to 10.0.2.1. It has been incorrectly set as 10.1.2.1.
Section: (none)
Explanation

Explanation/Reference:

QUESTION 112
Which of the following helps prevent routing loops?

A. Routing table
B. Default gateway
C. Route summarization
D. Split horizon

Correct Answer: D
Section: Network Architecture
Explanation

Explanation/Reference:
Explanation:

QUESTION 113
Which of the following is MOST likely to use an RJ-11 connector to connect a computer to an ISP using a POTS line?

A. Multilayer switch
B. Access point
C. Analog modem
D. DOCSIS modem

Correct Answer: C
Section: Network Architecture
Explanation

Explanation/Reference:
accurately answered.

QUESTION 114
An administrator has a virtualization environment that includes a vSAN and iSCSI switching. Which of the following actions could the administrator take to improve the performance of data transfers over iSCSI switches?

A. The administrator should configure the switch ports to auto-negotiate the proper Ethernet settings.
B. The administrator should configure each vSAN participant to have its own VLAN.
C. The administrator should connect the iSCSI switches to each other over inter-switch links (ISL).
D. The administrator should set the MTU to 9000 on the each of the participants in the vSAN.

Correct Answer: D
Section: Network Architecture
Explanation

Explanation/Reference:
Explanation:

QUESTION 115
A network topology that utilizes a central device with point-to-point connections to all other devices is which of the following?

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

Correct Answer: A
Section: Network Architecture
Explanation

Explanation/Reference:
appropriate asnwer.

QUESTION 116
A technician is connecting a NAS device to an Ethernet network. Which of the following technologies will be used to encapsulate the frames?

A. HTTPS
B. Fibre channel
C. iSCSI
D. MS-CHAP

Correct Answer: C
Section: Network Architecture
Explanation

Explanation/Reference:
Explanation:

QUESTION 117
The network install is failing redundancy testing at the MDF. The traffic being transported is a mixture of multicast and unicast signals. Which of the following would BEST handle the rerouting caused by the disruption of service?

A. Layer 3 switch
B. Proxy server
C. Layer 2 switch
D. Smart hub

Correct Answer: A
Section: Network Architecture
Explanation

Explanation/Reference:
definite answer.

QUESTION 118
A network technician was tasked to respond to a compromised workstation. The technician documented the scene, took the machine offline, and left the PC under a cubicle overnight. Which of the following steps of incident handling has been incorrectly performed?

A. Document the scene
B. Forensics report
C. Evidence collection
D. Chain of custody

Correct Answer: D
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 119
During a check of the security control measures of the company network assets, a network administrator is explaining the difference between the security controls at the company. Which of the following would be identified as physical security controls? (Select THREE).

A. RSA
B. Passwords
C. Man traps
D. Biometrics
E. Cipher locks
F. VLANs
G. 3DES

Correct Answer: CDE
Section: Network Security
Explanation

Explanation/Reference:
properly sorted answer.

QUESTION 120
A technician is installing a surveillance system for a home network. The technician is unsure which ports need to be opened to allow remote access to the system. Which of the following should the technician perform?

A. Disable the network based firewall
B. Implicit deny all traffic on network
C. Configure a VLAN on Layer 2 switch
D. Add the system to the DMZ

Correct Answer: D
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 121
A firewall ACL is configured as follows:

10. Deny Any Trust to Any DMZ eq to TCP port 22

11. Allow 10.200.0.0/16 to Any DMZ eq to Any
12. Allow 10.0.0.0/8 to Any DMZ eq to TCP ports 80, 443
13. Deny Any Trust to Any DMZ eq to Any

A technician notices that users in the 10.200.0.0/16 network are unable to SSH into servers in the DMZ. The company wants 10.200.0.0/16 to be able to use any protocol, but restrict the rest of the 10.0.0.0/8 subnet to web browsing only. Reordering the ACL in which of the following manners would meet the company's objectives?

A. 11, 10, 12, 13
B. 12, 10, 11, 13
C. 13, 10, 12, 11
D. 13, 12, 11, 10

Correct Answer: A
Section: Network Security
Explanation

Explanation/Reference:
Explanation:

QUESTION 122
A malicious user floods a switch with frames hoping to redirect traffic to the user's server. Which of the following attacks is the user MOST likely using?

A. DNS poisoning
B. ARP poisoning
C. Reflection
D. SYN attack

Correct Answer: B
Section: Network Security
Explanation

Explanation/Reference:
Explanation: