

CompTIA Network+ Certification N10-006 Exam



- **Vendor: CompTIA**
- **Exam Code: N10-006**
- **Exam Name: CompTIA Network+**

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QUESTION 1301

A technician add memory to a router, but that memory is never recognized by the router. The router is then powered down, and the technician relocates all of the memory to different modules. On startup, the router does not boot and displays memory errors. Which of the following is MOST likely the cause?

- A. VTP
- B. Driver update
- C. ESD
- D. Halon particles

Answer: B

QUESTION 1302

An additional network segment is urgently needed for QA testing on the external network. A software release could be impacted if this change is not immediate. The request come directly from management, and there is no time to go through the emergency change control process. Given this scenario, which of the following is the BEST course of action for the network administrator to take?

- A. Wait until the maintenance window, and make the requested change.
- B. First document the potential impacts and procedures related to the change.
- C. Send out a notification to the company about the change.
- D. Make the change, noting the requester, and document all network changes.

Answer: D

QUESTION 1303

A technician who is working with a junior member of the team is called away for another issue. The junior technician orders an SC 80/125 fiber cable instead of an ST 80/125. Which of the following will MOST likely be an issue with the new cable?

- A. Wavelength mismatch
- B. Distance limitations
- C. Connector mismatch
- D. Attenuation/Db loss

Answer: C

QUESTION 1304

Which of the following is a document that is used in cyber forensics that lists everywhere evidence has been?

- A. Warrant
- B. Legal document
- C. Chain of custody
- D. Forensic report
- E. Documentation of the scene

Answer: C

QUESTION 1305

QoS operates at which of the following OSI model layers? (Select TWO.)

- A. Layer 1
- B. Layer 2
- C. Layer 3
- D. Layer 4
- E. Layer 5

Answer: BC

QUESTION 1306

Which of the following is considered a classless routing protocol?

- A. IGRP
- B. IS-IS
- C. RIPv1
- D. STP

Answer: B

QUESTION 1307

A network technician needs to set up two public facing web servers and wants to ensure that if they are compromised the intruder cannot access the intranet. Which of the following security techniques should be used?

- A. Place them behind honeypots
- B. Place them in a separate subnet
- C. Place them between two internal firewalls
- D. Place them in the demilitarized zone

Answer: D

QUESTION 1308

A company has a network with three switches, each one with eight ports. The switch is connected to a router that has a hub with four computers plugged into one of its interfaces. How many broadcast domains are present in this company's network

- A. 1
- B. 2
- C. 5
- D. 16
- E. 28

Answer: B

QUESTION 1309

A company plan established to resume normal system operations following a disruption in business would be described as which of the following?

- A. First responders
- B. User awareness training

- C. Disaster recovery
- D. Business continuity

Answer: D

QUESTION 1310

A client is concerned about a hacker compromising a network in order to gain access to confidential research data. Which of the following could be implemented to redirect any attackers on the network?

- A. DMZ
- B. Content Filter
- C. Botnet
- D. Honeypot

Answer: D

QUESTION 1311

A technician installs a new WAP and users in the area begin to report poor performance. The technician uses a ping and 3 of 5 packets respond. Testing from a wired connection shows 5 of 5 packets respond. Which of the following tools should be used to discover the cause of the poor performance?

- A. Port Scanner tool
- B. Interface Monitoring tool
- C. Packet Capture tool
- D. Spectrum Analyzer tool

Answer: D

QUESTION 1312

A network technician has just received an email regarding a security issue detected on the company's standard web browser. Which of the following will MOST likely fix the issue?

- A. Firmware update
- B. OS update
- C. Vulnerability patch
- D. Driver update

Answer: C

QUESTION 1313

There is a network looping problem after installing some switches. The switch vendor suggested the use of 802.1d. Which of the following is the MOST probable reason the vendor made this suggestion?

- A. It is a rapid version of spanning tree that uses BPDU to detect problems.
- B. It is a regular version of port mirroring that uses hellow packets to detect loops.
- C. It is a simple version of spanning tree that uses BPDU to detect problems.
- D. It is a rapid version of port mirroring that uses BPDU to detect problems.

Answer: A

QUESTION 1314

A NAC service has discovered a virus on a client laptop. In which of the following locations would the NAC service place the laptop?

- A. On the DMZ network
- B. On the sandbox network
- C. On the honeypot
- D. On the quarantine network

Answer: D

QUESTION 1315

A company utilizes a patching server to regularly update their PCs. After the latest round of patching all of the older PCs with non-gigabit Ethernet cards become disconnected from the network and now require a technician to fix the issue locally at each PC. Which of the following should be done to prevent this issue in the future?

- A. Enable automatic rebooting of the PCs after patching is completed.
- B. Require the patching server to update the oldest PCs off hours.
- C. Disable automatic driver updates to PCs on the patching server.
- D. Throttle the connection speed of the patching server to match older PCs.

Answer: D

QUESTION 1316

A technician has punched down only the middle two pins (pins 4 and 5) on an ethernet patch panel. The technician has cabled this port to be used with which of the following?

- A. 10baseT
- B. POTS
- C. 568B
- D. 568A

Answer: B

QUESTION 1317

Which of the following protocols is used to encapsulate other network layer protocols such as multicast and IPX over WAN connections?

- A. MPLS
- B. ESP
- C. GRE
- D. PPP

Answer: C

QUESTION 1318

A network technician is tasked with designing a firewall to improve security for an existing FTP server that is on the company network and is accessible from the internet. The security concern is that the FTP server is compromised it may be used as a platform to attack other company servers. Which of the following is the BEST way to mitigate this risk?

- A. Add an outbound ACL to the firewall
- B. Change the FTP server to a more secure SFTP
- C. Use the implicit deny of the firewall
- D. Move the server to the DMZ of the firewall

Answer: D

QUESTION 1319

A network administrator received the following email from a user:

From: user@company.com

To: abuse@company.com

Subject: Free smart phone

Dear, user, please click the following link to get your free smart phone:

<http://www.freesmartphone.it:8080/survey.php>

Which of the following should the administrator do to prevent all employees from accessing the link in the above email, while still allowing Internet access to the freesmartphone.it domain?

- A. Add <http://www.freesmartphone.it:8080/survey.php> to the browser group policy block list.
- B. Add DENY TCP <http://www.freesmartphone.it> ANY EQ 8080 to the firewall ACL.
- C. Add DENY IP ANY ANY EQ 8080 to the intrusion detection system filter.
- D. Add <http://www.freesmartphone.it:8080/survey.php> to the load balancer.

Answer: A

QUESTION 1320

Which of the following types of equipment should be used for telecommunications equipment and have an open design?

- A. 2/4 post racks
- B. Rail racks
- C. Vertical frame
- D. Ladder racks

Answer: A

QUESTION 1321

A facility would like to verify each individual's identity prior to allowing access to the datacenter. Additionally, the facility would like to ensure that users do not tailgate behind other users. Which of the following would BEST meet these goals?

- A. Implement a biometric reader at the datacenter entrance and require passage through a mantrap.
- B. Implement a security guard at the facility entrance and a keypad on the datacenter entrance.
- C. Implement a CCTV camera and a proximity reader on the datacenter entrance.
- D. Implement a biometric reader at the facility entrance and a proximity card at the datacenter entrance.

Answer: A

QUESTION 1322

A network technician needs to connect two switches. The technician needs a link between them which is capable of handling 10gb. Which of the following media would be optimal for this application?

- A. CAT5e cable
- B. Coax cable
- C. Fiber Optic cable
- D. CAT6 cable

Answer: C

QUESTION 1323

Joe, and administrator, is setting up three more switches in the test lab and is configuring the switches. He is verifying the connectivity but when he pings one of the switches he receives "Destination Unreachable". Which of the following issues could this be?

- A. Denial of service attack
- B. Misconfigured DNS settings
- C. Misconfigured Split Horizon
- D. RADIUS authentication errors

Answer: C

QUESTION 1324

A company is selecting a fire suppression system for their new datacenter and wants to minimize the IT system recovery period in the event of a fire. Which of the following is the best choice for the fire suppression system?

- A. Portable Extinguishers
- B. Wet Pipe
- C. Clean Gas
- D. Dry Pipe

Answer: C

QUESTION 1325

Which of the following BEST describes the process of documenting everyone who has physical access or possession of evidence?

- A. Legal hold
- B. Chain of custody
- C. Secure copy protocol
- D. Financial responsibility

Answer: B

QUESTION 1326

A network manager wants a monthly report of the security posture of all the assets on the network (e.g. workstations, servers, routers, switches, firewalls). The report should include any feature of a system or appliance that is missing a security patch, OS update, etc. and the severity of risk that is associated with the missing update or patch. Which of the following solutions would work BEST to present this data?

- A. Security policy
- B. Penetration scan

- C. Virus scan
- D. Vulnerability scanner

Answer: D

QUESTION 1327

Which of the following is a logical host on the network where unauthorized users believe they are on the production network?

- A. Virtual Server
- B. VLAN
- C. Honeypot
- D. Virtual Terminal

Answer: C

QUESTION 1328

Joe, the network manager, is leading a project to deploy a SAN. Joe is working with the vendor support technician to properly set up and configure the SAN on the network. In order to begin SAN I/O optimization, which of the following would Joe need to provide the vendor support technician?

- A. Network diagrams
- B. Baseline documents
- C. Asset management document
- D. Access to the datacenter

Answer: A

QUESTION 1329

Joe, a home user, would like to share music throughout the computers in his house using a USB drive connected to a router he purchased a year ago. The manufacturer states that the router is capable of recognizing 4 TB, however, Joe is unable to get his 3 TB drive to show up on the network. Which of the following should Joe perform in order to resolve this issue?

- A. Load the latest hardware drivers for his USB drive.
- B. Install the latest OS on his computers.
- C. Download the latest playback software for his music files.
- D. Flash the latest firmware for his router.

Answer: D

QUESTION 1330

A technician has completed a survey of a wireless network and documented signal strengths. This document is known as which of the following?

- A. Logical Network map
- B. Heat map
- C. Network baseline
- D. Bandwidth survey

Answer: B

QUESTION 1331

A network technician must allow use of HTTP from the internet to an internal resource running HTTP. This is an example of which of the following?

- A. Dynamic DNS
- B. Virtual Private networking (VPN)
- C. Dynamic NAT
- D. Port Forwarding

Answer: D

QUESTION 1332

A network topology in which all nodes have point to point connections to all other nodes is known as which of the following?

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

Answer: A

QUESTION 1333

A technician needs to install a server to authenticate remote users before they have access to corporate network resources when working from home. Which of the following servers should the technician implement?

- A. DNSSEC
- B. PPP
- C. RAS
- D. VLAN
- E. NAT

Answer: C

QUESTION 1334

While monitoring the network, a technician notices that the network traffic to one of the servers is extremely high. Which of the following should the technician use to verify if this is a concern?

- A. Log management
- B. Network diagram
- C. Network baseline
- D. Real time monitor

Answer: C

QUESTION 1335

A network administrator is tasked with building a wireless network in a new adjacent building. Wireless clients should not have visibility to one another but should have visibility to the wired users. Users must seamlessly migrate between the two buildings while maintaining a connection to the LAN. Which of the following is the BEST way to configure the new wireless network in the new building?

- A. Use the same SSIDs on different channels and AP isolation.
- B. Use different SSIDs on different channels and VLANs.
- C. Use different SSIDs on the same channels with VLANs.
- D. Use the same SSIDs on same channels with AP isolation.

Answer: A

QUESTION 1336

A customer is attempting to download a file from a remote FTP server, but receives an error that a connection cannot be opened. Which of the following should be one FIRST to resolve the problem?

- A. Ensure that port 20 is open
- B. Ensure that port 161 is open
- C. Flush the DNS cache on the local workstation
- D. Validate the security certificate from the host

Answer: A

QUESTION 1337

OFDM, QAM and QPSK are all examples of which of the following wireless technologies?

- A. Frequency
- B. Modulation
- C. RF interference
- D. Spectrum

Answer: B

QUESTION 1338

A network administrator is following best practices to implement firewalls, patch management and policies on the network. Which of the following should be performed to verify the security controls in place?

- A. Penetration testing
- B. AAA authentication testing
- C. Disaster recovery testing
- D. Single point of failure testing

Answer: A

QUESTION 1339

Which of the following is a connectionless protocol? (Select TWO.)

- A. ICMP
- B. SSL
- C. TCP
- D. SSH
- E. HTTP
- F. UDP

Answer: AF

QUESTION 1340

Ann, a network technician is preparing to configure a company's network. She has installed a firewall to allow for an internal DMZ and external network. No hosts on the internal network should be directly accessible by IP address from the internet, but they should be able to communicate with remote networks after receiving a proper IP address. Which of the following is an addressing scheme that will work in this situation?

- A. Teredo tunneling
- B. Private
- C. APIPA
- D. Classless

Answer: B

QUESTION 1341

A company has just implemented VoIP. Prior to the implementation, all of the switches were upgraded to layer 3 capable in order to more adequately route packages. This is an example of which of the following network segmentation techniques?

- A. Compliance implementation
- B. Separate public/private networking
- C. Honeypot implementation
- D. Performance optimization

Answer: D

QUESTION 1342

A malicious student is blocking mobile devices from connecting to the internet when other students are in the classroom. Which of the following is the malicious student implementing?

- A. Removing the AP from the classroom
- B. ACL
- C. Jamming
- D. Firewall
- E. IPS

Answer: C

QUESTION 1343

A technician configures a firewall in the following manner in order to allow HTTP traffic:

- Source IP Zone: Any Untrust
- Dest IP Zone: Any DMZ
- 80 Port Action: Allow

The organization should upgrade to which of the following technologies to prevent unauthorized traffic from traversing the firewall?

- A. HTTPS
- B. Stateless packet inspection
- C. Intrusion detection system
- D. Application aware firewall

Answer: D

QUESTION 1344

Exploiting a weakness in a user's wireless headset to compromise the mobile device is known as which of the following?

- A. Multiplexing
- B. Zero-day attack
- C. Smurfing
- D. Bluejacking

Answer: D

QUESTION 1345

A technician is concerned about security and is asked to set up a network management protocol. Which of the following is the best option?

- A. SLIP
- B. SNMPv3
- C. TKIP
- D. SNMPv2

Answer: B

QUESTION 1346

A network technician wants to allow HTTP traffic through a stateless firewall. The company uses the 192.168.0.0/24 network. Which of the following ACL should the technician configure? (Select TWO.)

- A. PERMIT SRCIP: 192.168.0.0/24
SPORT: 80
DSTIP: 192.168.0.0/24
DPORT: 80
- B. PERMIT SRCIP: 192.168.0.0/24
SPORT: ANY
DSTIP: ANY
DPORT: 80
- C. PERMIT SRCIP: ANY
SPORT: 80
DSTIP: 192.168.0.0/24
DPORT: ANY
- D. PERMIT SRCIP: ANY
SPORT: 80
DSTIP: 192.168.0.0/24
DPORT: 80
- E. PERMIT SRCIP: 192.168.0.0/24
SPORT: 80
DSTIP: ANY
DPORT: 80

Answer: BE

QUESTION 1347

A network technician has been asked to make the connections necessary to add video transported via fiber optics to the LAN within a building. Which of the following is the MOST common connector that will be used on the switch to connect the media converter?

- A. FDDI
- B. Fiber coupler
- C. MT-RJ
- D. ST

Answer: D

QUESTION 1348

Which of the following protocols is considered a hybrid routing protocol?

- A. OSPF
- B. RIPv2
- C. IS-IS
- D. BGP
- E. EIGRP

Answer: E

QUESTION 1349

Ann, an employee, has properly connected her personal wireless router to a network jack in her office. The router is unable to get a DHCP address though her corporate laptop can get a DHCP address when connected to the same jack. Ann checks the router configuration to ensure it is configured to obtain a DHCP address. Which of the following is the MOST likely reason why the router is not receiving a DHCP address?

- A. The administrator has enabled DHCP snooping on the network.
- B. The administrator is blocking DHCP requests that originate from access points.
- C. The administrator is blocking the wireless router's MAC address using MAC filtering.
- D. The administrator has implemented a feature that only allows white-listed MAC addresses.

Answer: D

QUESTION 1350

As part of unified communications services, QoS must be implemented. DSCP and CoS map to which of the following OSI layers? (Select TWO.)

- A. Layer 1
- B. Layer 2
- C. Layer 3
- D. Layer 4
- E. Layer 5

Answer: BC

QUESTION 1351

A technician is troubleshooting a newly installed WAP that is sporadically dropping connections to devices on the network. Which of the following should the technician check FIRST?

- A. WAP placement
- B. Encryption type
- C. Bandwidth saturation
- D. WAP SSID

Answer: A

QUESTION 1352

A network technician responds to a customer reporting that a workstation keeps losing its network connection. The user explains that it occurs randomly and it happens several times throughout the day. Which of the following troubleshooting methods should the technician perform FIRST?

- A. Test the theory
- B. Establish a plan of action
- C. Gather information
- D. Question the obvious

Answer: C

QUESTION 1353

A user reports slow computer performance. A technician troubleshooting the issue uses a performance monitoring tool and receives the following results:

- Avg % Processor Time = 10%
- Avg Pages/Second = 0
- Avg Disk Queue Length = 3

Based on the results, which of the following is causing a bottleneck?

- A. Hard drive
- B. Memory
- C. Processor
- D. NIC

Answer: A

QUESTION 1354

A technician has responded to a security issue with an employee's computer. Which of the following basic forensic steps should be taken NEXT?

- A. Secure the area
- B. Initiate Data collection
- C. Create the forensics report
- D. Verify the chain of custody

Answer: A

QUESTION 1355

A network technician has downloaded the latest vendor switch O/S, which includes new features and enhancements. Which of the following should the technician perform FIRST when updating the switches?

- A. Backup the current configuration for each switch

- B. Install during non-business hours to test the system
- C. Test the O/S on one of the production switches
- D. Power cycle the company's border router

Answer: A

QUESTION 1356

Which of the following protocols is used to send mail to another server on the Internet?

- A. RTP
- B. SNMP
- C. POP
- D. SMTP

Answer: D

QUESTION 1357

Which of the following ports is used to provide secure sessions over the web by default?

- A. 22
- B. 25
- C. 80
- D. 5004

Answer: A

QUESTION 1358

An attack where the potential intruder tricks a user into providing sensitive information is known as which of the following?

- A. Social engineering
- B. Bluesnarfing
- C. Man-in-the-middle
- D. Evil Twin

Answer: A

QUESTION 1359

After an employee connected a switch port of a home router to the wall jack in the office, other employees in the office started losing connectivity. Which of the following can be implemented on the company switch to prevent loss of connectivity in the future?

- A. Loop prevention
- B. ARP inspections
- C. DHCP snooping
- D. MAC address filtering

Answer: A

QUESTION 1360

An administrator hosts all of the company's virtual servers internally. In the event of total server failure, the server images can be restored on a cloud provider and accessed through the VPN.

Which of the following cloud services is the administrator using?

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

Answer: B

QUESTION 1361

When troubleshooting a T1 connection, the support representative from the provider instructs a technician to place a special device into the CSU/DSU. Using this device the provider is able to verify that communications are reaching the CSU/DSU. Which of the following was MOST likely used by the technician?

- A. Cable analyzer
- B. Toner probe
- C. OTDR
- D. Loopback plug

Answer: D

QUESTION 1362

A network technician wants to create a network where consultants can go to access the Internet without disrupting the intranet of the office. Which of the following should be created?

- A. Guest network
- B. VLAN network
- C. Security network
- D. DMZ network

Answer: A

QUESTION 1363

A technician needs to use SNMP to manage several legacy devices. The technician wants to ask the vendor for specification that will provide SNMP monitoring of the devices. Which of the following will allow SNMP monitoring of the devices?

- A. SSH
- B. MIMO
- C. SYSLOG
- D. MIBS

Answer: D

QUESTION 1364

A network technician determines that two dynamically assigned workstations have duplicate IP addresses. Which of the following commands should the technician use to correct this problem?

- A. ipconfig /all
- B. ipconfig /dhcp
- C. ipconfig /release then ipconfig /renew

D. ipconfig /renew

Answer: C

QUESTION 1365

After moving to an adjacent cubicle, a user is reporting that the VoIP phone is randomly rebooting. When the technician relocates the equipment back to the previous space, the phone functions properly. No other stations are being affected. Which of the following is the MOST likely cause?

- A. Attenuation
- B. Bad UPS
- C. Cable short
- D. Misconfigured DNS

Answer: C

QUESTION 1366

The administrator would like to use the strongest encryption level possible using PSK without utilizing an additional authentication server. Which of the following encryption types should be implemented?

- A. WPA2 Enterprise
- B. WEP
- C. MAC filtering
- D. WPA personal

Answer: A

QUESTION 1367

A network administrator wants to logically separate web function servers on the network. Which of the following network devices will need to be configured?

- A. IPS
- B. Switch
- C. Hub
- D. HIDS

Answer: B

QUESTION 1368

A user has installed a new wireless printer. The user cannot get to the internet but can print. All other office users can reach the internet, but cannot connect to the new wireless printer. All users are wireless in this area of the office. The user has MOST likely done what?

- A. Installed the printer in infrastructure mode.
- B. Installed the printer in the wrong subnet.
- C. Misconfigured the gateway on the wireless printer.
- D. Installed the printer in ad-hoc mode.

Answer: D

QUESTION 1369

When installing a network cable with multiple strands, a technician drags the cable past a sharp edge and exposes the copper conductor on several wires. These exposed wires come into contact with each other forming an electrical connection. This creates which of the following conditions?

- A. Short
- B. Twisted pair
- C. Electrostatic discharge
- D. Crosstalk
- E. Open

Answer: A

QUESTION 1370

Which of the following attacks utilizes a wireless access point which has been made to look as though it belongs to the network in order to eavesdrop on wireless traffic?

- A. Evil twin
- B. Rogue access point
- C. WEP attack
- D. War driving

Answer: A

QUESTION 1371

A home user is pairing a bluetooth gaming controller with the game console. Which of the following is implemented between the console and the controller?

- A. LAN
- B. PAN
- C. WAN
- D. MAN

Answer: B

QUESTION 1372

A technician has attempted to optimize the network but some segments are still reporting poor performance. Which of the following issues should the technician look at?

- A. Switch incorrectly set to full duplex
- B. Conflicting IP addresses
- C. Packet bottlenecks
- D. IP address scope depletion

Answer: C

QUESTION 1373

Coverage analysis for a new implementation of 802.11n WLAN involves which of the following? (Select TWO.)

- A. Humidity
- B. Temperature
- C. Heatmap

- D. Building material
- E. Sight lines

Answer: DE

QUESTION 1374

A technician is in a large room that contains a large amount of industrial equipment. The technician would like to record the usable bandwidth between devices in a wireless network and the access point. Which of the following should the technician document?

- A. Goodput
- B. EMI
- C. Latency
- D. Jitter
- E. Overhead

Answer: A

QUESTION 1375

A project manager is tasked with the planning of a new network installation for a client. The client wants to ensure that everything discussed in the meetings will be installed and configured when a network engineer arrives onsite. Which of the following should the project manager provide the client?

- A. Acceptable Use Policy
- B. Service Level Agreement
- C. Statement of Work
- D. Security Policy

Answer: C

QUESTION 1376

A technician suspects that the email system is slow due to excessive incoming SPAM. Which of the following should the technician do according to the troubleshooting methodology?

- A. Verify full system functionality
- B. Block incoming email
- C. Establish a plan of action
- D. Gather information
- E. Consider multiple approaches

Answer: D

QUESTION 1377

A home office has a dozen devices that need a class based DHCP device to assign addresses. The subnet only has one octet for the host portion of each device. Which of the following IP addresses would be assigned to the default gateway?

- A. 10.0.0.1
- B. 169.254.0.1
- C. 192.168.0.1
- D. 224.0.0.1

Answer: C

QUESTION 1378

A network administrator needs to allow employees to securely upload files to a remote server. Which of the following should be allowed on the firewall?

- A. 20
- B. 21
- C. 22
- D. 161

Answer: B

QUESTION 1379

Joe, a system administrator, is troubleshooting an issue with remotely accessing a new server on the LAN. He is using an LMHOST file and the file contains the hostname and IP address of the new server. The server that he cannot remote to is located on the same LAN as another server that he can successfully remote to. Which of the following output from the command line would BEST resolve the problem?

- A. C:\windows\system32>ipconfig /flushdns
Windows IP configuration Successfully flushed DNS resolver cache.
- B. C:\windows\system32>ipconfig /registerdns
Windows IP configuration Registration of the DNS resource records for all adapters has been initiated. Any errors will be reported in the event viewer in 15 minutes.
- C. C:\windows\system32>nslookup
Default server: unknown address: 1.1.1.1.
- D. C:\windows\system32>nbtstat -r
Successful purge and reload of the NBT remote cache table.

Answer: B

QUESTION 1380

A technician is called to investigate a connectivity issue to a remote office that is connected by fiber optic cable. Using a light meter, it is determined that the Db loss is excessive. The installation has been working for several years. The switch was recently moved to the other side of the room and a new patch cord installed. Which of the following is MOST likely the cause of the issue?

- A. Distance limitations
- B. Wavelength mismatch
- C. Bend radius limitation
- D. Dirty connectors

Answer: D

QUESTION 1381

A technician is being tasked to centralize the management of the switches and segment the switches by broadcast domains. The company is currently all on VLAN1 using a single private IP address range with a 24 bit mask. The supervisor wants VLAN 100 to be the management subnet and all switches to share the VLAN information. Which of the following options would work BEST to accomplish these requirements?

- A. Use VLSM on the IP address range, with STP and 802.1q on the inter switch connections with native VLAN 100
- B. Use VLSM on the IP address range with VTP and 802.1x on all inter switch connections with native VLAN 100
- C. Use VLSM on VLAN1, with VTP and 802.1w on the inter switch connections with native VLAN 100
- D. Use VLSM on the IP address range with VTP and 802.1q on the inter switch connections with native VLAN 100

Answer: D

QUESTION 1382

A new network administrator is hired to replace a consultant that has been keeping the network running for several months. After a month, the network administrator is having network issues. The problems are easily resolved and appear to be changes in the server settings. The log files on the servers do not contain any error or messages related to the issues. Which of the following is a possible cause of the issues?

- A. TACAS/RADIUS misconfiguration is causing logs to be erased.
- B. ICMP ping of death is resetting DHCP and DNS on the server.
- C. A backdoor has been installed to access the network.
- D. The last ACL on the router is set to Deny All.

Answer: C

QUESTION 1383

A network administrator set up a network computer lab and discovered connectivity issues. The administrator is able to ping the fiber uplink interface, but none of the new PCs plugged into the switch respond to ICMP requests. Which of the following should the administrator perform FIRST?

- A. Check if there are link lights on the ports.
- B. Check the ports on the switch for full duplex.
- C. Check to see if port security is enabled.
- D. Check to see if the uplink interface is configured correctly.

Answer: A

QUESTION 1384

A user receives a new computer and now is unable to connect to a database using ODBC. Other users on the network are able to connect successfully. A technician is able to successfully ping the database server but still is unable to connect. Which of the following is the issue?

- A. Missing IP routes on router
- B. Wrong default gateway address
- C. Software firewall is blocking ports
- D. Failing network interface card

Answer: C

QUESTION 1385

A network uses a centralized server to manage credentials for all network devices. Which of the following server types are MOST likely being used in this configuration? (Select TWO.)

- A. DNS
- B. DHCP
- C. FTP

- D. RADIUS
- E. Kerberos
- F. TACACS
- G. Wireless controller

Answer: DF

QUESTION 1386

A company suffers an outage due to a bad module in a core switch. Which of the following is the proper order of troubleshooting?

- A. Gather information, start at the top of the OSI model, and work down.
- B. Establish a plan of action to solve the problem.
- C. Establish a theory, identify the problem, duplicate the problem, test the theory, and repeat.
- D. Gather information, start at the bottom of the OSI model, and work up.

Answer: B

QUESTION 1387

Which of the following is BEST used to perform a one-time temporary posture assessment in a NAC environment?

- A. Intrusion prevention system
- B. Host-based firewall
- C. Non-persistent agent
- D. Antivirus

Answer: C

QUESTION 1388

A network technician has just run a new point-to-point fiber link between two local routers, however, after the fiber has been plugged in on both ends, the interface will not come up. The technician has double-checked the interface configuration on both routers, both SFPs have been hard looped to confirm they are functioning, connectors on both ends of the links have been cleaned, and there is sufficient optical power. Which of the following is the cause of the issue?

- A. Wavelength mismatch
- B. Duplex mismatch
- C. Distance limitations
- D. Wrong IP address

Answer: A

QUESTION 1389

Two switches are connected using both a CAT6 cable and a CAT5e cable. Which of the following problems is occurring?

- A. Missing route
- B. Autosensing ports
- C. Improper cable types
- D. Switching loop

E. Media mismatch

Answer: D

QUESTION 1390

A network administrator has configured a new 100Mbps WAN circuit, but speed testing shows poor performance when downloading large files. The download initially reaches close to 100Mbps but begins to drop and show spikes in the downloads speeds over time. The administrator checks the router interface and sees the following:

```
- Router01#show interface eth 1/1
- GigabitEthernet 1/1 is up, line is up
- Hardware is GigabitEthernet, address is 000A.00BB.CC11
- Configured speed auto, actual 1Gbit, configured duplex fdx, actual fdx
Member of L2 VLAN 1, port is untagged, port state is forwarding
```

Which of the following is MOST likely to resolve the issue?

- A. Shutdown and then re-enable this interface
- B. Reset the statistics counter for this interface
- C. Remove default 802.1q tag and set to server VLAN
- D. Apply egress port rate-shaping

Answer: C

QUESTION 1391

Which of the following residential Internet medias would employ the DOCSIS standard?

- A. Fiber
- B. DSL
- C. Cable
- D. 3G/LTE
- E. Cellular

Answer: C

QUESTION 1392

Joe, a technician, terminates ends on a new copper cable for use between two legacy switches. When Joe connects the two switches together using the cable, they fail to establish a connection. Which of the following is MOST likely the issue?

- A. The cable has exceeded bend radius limitations.
- B. The cable is a straight through.
- C. The cable is a cross over.
- D. The cable has RJ-11 connectors instead of RJ-45.

Answer: B

QUESTION 1393

A network technician has set up a firewall and entered only three rules allowing traffic on ports 21, 110, and 25 to secure the network. Users are reporting they cannot access web pages using the URLs. Which of the following can the technician do to correct the situation?

- A. Add a rule to the end allowing port 80 and 53.

- B. Add a rule to the end allowing port 143 and 22.
- C. Add a rule to the end allowing port 137 and 66.
- D. Add a rule to the end allowing port 445 and 173.

Answer: A

QUESTION 1394

A secondary datacenter in a remote location is used by a company. The cable management and power management are handled by the datacenter staff. The building security is also handled by the datacenter staff with little oversight. Which of the following should the network administrator do to adhere to best practices?

- A. Secure the patch panels.
- B. Ensure power monitoring is enabled.
- C. Ensure rack security.
- D. Secure the UPS units.

Answer: C

QUESTION 1395

When network administrators observe an increased amount of web traffic without an increased number of financial transactions, the company is MOST likely experiencing which of the following attacks?

- A. Bluejacking
- B. ARP cache poisoning
- C. Phishing
- D. DoS

Answer: D

QUESTION 1396

An administrator needs to install a centrally located firewall that needs to block specific incoming and outgoing IP addresses, without denying legitimate return traffic. Which of the following firewall types should the administrator install?

- A. A host-based firewall
- B. A network-based firewall
- C. A host-based stateful firewall
- D. A stateless network-based firewall

Answer: D

QUESTION 1397

All scheduled work on production network equipment should be done during which of the following periods?

- A. Maintenance window
- B. Development life cycle
- C. Down time
- D. Business hours

Answer: A

QUESTION 1398

A technician is installing a media converter that connects a newly installed multimode connection to an existing CAT5e infrastructure. Which of the following media converter types should the technician use?

- A. Ethernet to coaxial
- B. Fiber to Ethernet
- C. Fiber to coaxial
- D. Multimode to single mode fiber

Answer: B

QUESTION 1399

Ann, a network administrator, is in the process of cleaning network switches for resale. Ann splashes the cleaning agent in her eye and needs to know the procedure of cleansing her eye. To which of the following should Ann refer?

- A. EULA
- B. MSDS
- C. SLA
- D. MOU

Answer: B

QUESTION 1400

Which of the following transmission methods is used for network utilizing the 802.3 standard?

- A. MAC
- B. Synchronous
- C. DSSS
- D. Broadband
- E. Baseband

Answer: A

QUESTION 1401

Which of the following describes a design where traffic is shared between multiple network servers to provide greater throughput and reliability?

- A. Load balancing
- B. MPLS trunking
- C. VLAN tagging
- D. Multiplexing

Answer: A

QUESTION 1402

A network technician at a warehouse must implement a solution that will allow a company to track shipments as they enter and leave the facility. Additionally, warehouse workers must be able to scan and concurrently upload large images of items to a central server. Which of the following

technologies is BEST suited in this facility? (Select TWO.)

- A. 802.11ac
- B. P2P
- C. Bluetooth
- D. IR
- E. RFID
- F. NFC

Answer: AE

QUESTION 1403

An administrator needs to open the default port on the firewall for DNS. Which of the following is the correct port number the administrator needs to open?

- A. 53
- B. 67
- C. 110
- D. 3389

Answer: A

QUESTION 1404

A technician wants to configure a wireless network to identify itself to visitors by including the word "Guest" in the name. Which of the following would allow users to identify a wireless network by name?

- A. ESSID broadcast
- B. ARP broadcast
- C. BSSID broadcast
- D. DHCP broadcast

Answer: A

QUESTION 1405

Which of the following describes what occurs with the ID of a specified native VLAN when traffic passes over a trunk?

- A. It becomes the gateway of last resort for the switch or router.
- B. It becomes the default VLAN for the untagged frames.
- C. It becomes the priority ID for all the VLAN traffic across the device.
- D. It becomes the default gateway for the port or ports.

Answer: B

QUESTION 1406

A user has a network device that streams media to the LAN. The device is visible on the network. All PCs on the LAN can ping the device. All firewalls are turned off. The streaming device appears to function properly, but the media will not stream as requested. Which of the following TCP/IP technologies is not implemented properly?

- A. Multicast

- B. Broadcasts
- C. Unicast
- D. Anycast

Answer: A

QUESTION 1407

When a switch has multiple paths to reach the root bridge, into which of the following states is the port with the LEAST desirable path placed by the spanning tree protocol?

- A. Forwarding
- B. Bonding
- C. Blocking
- D. Listening

Answer: C

QUESTION 1408

A CSU/DSU device will connect which of the following?

- A. A T1 line to a network router
- B. An analog line to a network router
- C. A cable modem to a wireless router
- D. A local network to a VPN

Answer: A

QUESTION 1409

An administrator's router with multiple interfaces uses OSPF. When looking at the router's status, it is discovered that one interface is not passing traffic. Given the information below, which of the following would resolve this issue?

Output:

```
Fast Ethernet 0 is up, line protocol is down
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
Full duplex, 100Mb/s, 100 Base Tx/Fx
Received 1052993 broadcasts
0 input errors
0 packets output, 0 bytes
0 output errors, 0 collisions, 0 resets
```

- A. Set the loopback address
- B. Enable the connecting port
- C. Put the IP address in the right broadcast domain
- D. Replace the line card
- E. Set OSPF to area 0

Answer: B

QUESTION 1410

Which of the following would need to be configured to allow jumbo frames on a network?

- A. MTU
- B. NAC
- C. MIBS
- D. MAC

Answer: A

QUESTION 1411

Which of the following infrastructure implementations is used to connect various circuits between remote locations?

- A. WAN
- B. PAN
- C. WLAN
- D. LAN

Answer: A

QUESTION 1412

Which of the following Ethernet features will allow increased FCoE network throughput as long as all network devices recognize its specific size?

- A. Frame relay
- B. TCP offloading
- C. Jumbo frame
- D. Quality of service
- E. Equal cost multipath

Answer: C

QUESTION 1413

A network administrator is configuring one distribution and five access switches, which will be installed in a new building. Which of the following is the BEST physical location for the equipment?

- A. The distribution switch in the IDF and the access switches in the MDF
- B. The distribution switch in the MDF and the access switches in the IDF
- C. All switches should be placed in the IDF to leave room in the MDF for servers
- D. All switches should be placed in the MDF to leave room in the IDF for servers

Answer: B

QUESTION 1414

A network technician needs to identify active services that should be disabled on the network. Which of the following tools would BEST accomplish this?

- A. Packet analyzer
- B. Content filter
- C. Interface monitoring tool

D. Port scanner

Answer: D

QUESTION 1415

A technician needs to add new features to existing hardware devices. Which of the following should be performed to add the new features?

- A. Firmware updates
- B. Changing to IPv6
- C. Cloning
- D. Vulnerability patching

Answer: A

QUESTION 1416

Which of the following should a technician upgrade to if the existing wireless standard only allows for three non-overlapping channels and more non-overlapping channels are needed?

- A. 802.11b
- B. 802.11g
- C. 802.11n
- D. 802.11q

Answer: C

QUESTION 1417

Which of the following devices actively defends the network by detecting threats and shutting down ports or changing configurations to prevent attacks?

- A. Honeypot
- B. IPS
- C. Firewall
- D. IDS

Answer: B

QUESTION 1418

A network technician has installed and configured a new wireless router. The clients and hosts can ping each other. The WAN is a 10Gbps cable connection. The wired clients have fast connections. The wireless clients are slow to ping and browse the Internet. Which of the following could be the cause of the slow wireless clients?

- A. An access point experiencing RFI from florescent light bulbs
- B. A router is on the incorrect LAN
- C. A cable connection does not support wireless
- D. A high signal-to-noise ratio on the wireless network

Answer: A

QUESTION 1419

Given the following requirements:

- Notify administrators of Advanced Packaging Tools (APTs)
- Allow network access for clients in the lobby with a password key

Which of the following should be implemented to satisfy these conditions? (Select TWO.)

- A. UTM
- B. WPA2
- C. IPSec
- D. Firewall
- E. POP3
- F. RADIUS

Answer: AB

QUESTION 1420

During a business trip a user connects to the hotel's wireless to send emails to customers. The user notices the next day that emails have been sent from the user's account without consent. Which of the following protocols was used to compromise the user's email password utilizing a network sniffer?

- A. SSL
- B. HTTP
- C. TFTP
- D. DNS

Answer: B

QUESTION 1421

The networking concept of split horizon is designed to prevent which of the following?

- A. Large routing tables
- B. Duplicate addresses
- C. Collisions
- D. Loops

Answer: D

QUESTION 1422

A company needs to implement stronger authentication, by adding an authentication factor to their wireless system, which currently only supports WPA with pre-shared keys. The backend authentication system supports EAP and TTLS. Which of the following should the network administrator implement?

- A. PKI with user authentication
- B. 802.1x using EAP with MSCHAPv2
- C. WPA2 with a complex shared key
- D. MAC address filtering with IP filtering

Answer: B

QUESTION 1423

A client is concerned with theft of equipment from the datacenter. Which of the following would provide the highest level of physical security for the client?

- A. Cipher lock
- B. Proximity reader
- C. Magnetic key swipe
- D. Man trap
- E. CCTV

Answer: D

QUESTION 1424

An administrator would like to test out an open source based phone system prior to making an investment in hardware and phones. Which of the following should the administrator do to BEST test the software?

- A. Create virtual IP phones in a lab that utilize the STP protocol
- B. Deploy an open source VDI solution to create a testing lab
- C. Deploy new SIP appliances and connect to it with the open source phone applications
- D. Create a virtual PBX and connect to it with SIP phone applications

Answer: D

QUESTION 1425

A technician is setting up a new network and wants to create redundant paths through the network. Which of the following should be implemented to prevent performance degradation?

- A. Port mirroring
- B. Spanning tree
- C. ARP inspection
- D. VLAN

Answer: B

QUESTION 1426

An offsite backup company involved in an investigation is not recycling outdated tapes. This is MOST likely due to what?

- A. the process of eDiscovery
- B. a chain of custody breach
- C. a data transport request
- D. the notice of a legal hold

Answer: D

QUESTION 1427

A campus needs to provide wireless connectivity in a cafeteria with a minimal number of WAPs. Which of the following antenna types will provide the BEST coverage?

- A. High gain
- B. Bidirectional
- C. Dipole
- D. Omni-directional

Answer: A

QUESTION 1428

During a high availability test of a system, a fiber interruption did not re-route traffic. This is an indication of which of the following routing concepts?

- A. Static
- B. Dynamic
- C. Hybrid
- D. Routing loops

Answer: A

QUESTION 1429

A technician has installed an 802.11n network, and most users are able to see speeds of up to 300Mbps. There are a few users who have an 802.11n network card but are unable to get speeds higher than 108Mbps. Which of the following should the technician perform to fix the issue?

- A. Upgrade the OS version to 64-bit
- B. Roll back the firmware on WLAN card
- C. Install a vulnerability patch
- D. Upgrade the WLAN card driver

Answer: D

QUESTION 1430

A small office has an Internet connection that drops out about two times per week. It often takes until the next day for the vendor to come out and fix the issue. Which of the following should the office implement to reduce this downtime?

- A. EULA
- B. SLA
- C. SOW
- D. MOU

Answer: B

QUESTION 1431

A technician installs three new switches to a company's infrastructure. The network technician notices that all the switch port lights on the front of each switch flashes rapidly when powered on and connected. Additionally, there are rapid flashing amber lights on the switches when they started up the next day. Which of the following describes what is occurring with the switches?

- A. The switches are running through their spanning tree process.
- B. The switches are having problems communicating with each other.
- C. The switches are connected and detected a spanning tree loop.
- D. The switches are not functioning properly and need to be disconnected.

Answer: A

QUESTION 1432

How does a DHCP reservation work?

- A. By leasing a set of reserved IP addresses according to their category.
- B. By letting the network switches assign IP addresses from a reserved pool.
- C. By assigning options to the computers on the network by priority.
- D. By matching a MAC address to an IP address within the DHCP scope.

Answer: D

QUESTION 1433

A home user reports that a speed test website shows the following information:

- Download speed: 33.3Mbps
- Upload speed: 10.2Mbps

Which of the following is the correct interpretation of these results?

- A. The home PC downloaded 33.3 MB of data to the website and uploaded 10.2 MB of data from the website.
- B. The website upload bandwidth is saturated, and it does not match the download speed.
- C. The home PC is receiving data at 33.3Mbps and sending data at 10.2Mbps.
- D. The website is downloading data to its server at 33.3Mbps and uploading data from its server at 10.2Mbps.

Answer: C

QUESTION 1434

An administrator notices an abnormally high level of network traffic from a server. Upon logging into the server, the administrator runs the following command:

```
C:\>netstat- ano
```

```
Active Connections
```

Proto	Local Address	Foreign Address	State	PID
TCP	172.16.100.55	129.45.32.221	Established	331

Which of the following should the administrator use to correlate the active connection with the running service?

- A. netstat -p
- B. Open task manager
- C. route print
- D. Open services.msc

Answer: A

QUESTION 1435

A network technician is informed that some clients cannot connect to a critical business application. This application is hosted on a server that resides within the local VLAN. The server has a domain name of Appserver1.CorpXYZ.local. The technician notices some client machines can still connect

to the application server, while others in the same office cannot. All of the office computers share similar networking hardware, and connect to the same switch. The network technician inspects an office computer that cannot establish a connection. The technician simultaneously runs a protocol analyzer on this office computer, and then attempts to ping the address Appserver.CorpXYZ.local. The technician receives a reply to the ping, but a connection to the business application still cannot be established. The following output is observed in the protocol analyzer:

Source	Destination	Protocol	Info
172.30.10.102	172.30.10.220	DNS	Standard query A Appserver1.CorpXYZ. local
172.30.10.220	172.30.10.102	DNS	Standard Response A 172.30.10.15
172.30.10.102	172.30.10.15	ICMP	Echo request
0c:27:24:12:5b:a2	Spanning-tree-00	STP	Root= 32768/1/0c:27:24:12:5b:a2
172.30.10.15	172.30.10.102	ICMP	Echo reply
90:4c:e5:67:65:21	Broadcast	ARP	Who has 172.30.10.15? Tell 172.30.10.102
172.30.10.102	167.206.252.247	HTTP	GET/data.js HTTP/1.1
4c:0b:33:14:f3:05	90:4c:e5:67:65:21	ARP	172.30.10.15 is at 4c:0b:33:14:f3:05
172.30.10.15	239.255.255.250	SSDP	NOTIFY * HTTP/1.1
00:25:90:27:7f:a0	90:4c:e5:67:65:21	ARP	172.30.10.15 is at 00:25:90:27:7f:a0
172.30.10.98	172.30.10.102	TCP	http> 50431 (RST, ACK)

Based on this output, which of the following is the MOST likely cause of the connectivity issues?

- A. The DNS is not resolving Appserver1.CorpXYZ.local to the correct IP address.
- B. Responses from Appserver1 are being redirected to a different host.
- C. Another machine on the network has the same IP address as Appserver1.
- D. The office computer is connected to a trunk port, and the wrong native VLAN has been set.

Answer: C

QUESTION 1436

An Amplitude Modulation (AM) radio station may have a detrimental effect on which of the following services?

- A. DOCSIS
- B. Frame relay
- C. SONET
- D. Metro-Ethernet

Answer: A

QUESTION 1437

Which of the following will allow network traffic to travel across several switches on several VLANs?

- A. VLAN assignments
- B. Port bonding
- C. VLAN ID
- D. Trunking
- E. VLAN tagging

F. Port mirroring

Answer: D

QUESTION 1438

A network administrator is trouble shooting a connectivity issue on a user's workstation. The technician reviews the following packet capture:

```
09:46:07.214362 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.1.1 tell
192.168.1.1, length 46
09:46:07.390317 ARP, Ethernet (len 6), IPv4 (len 4), Reply 192.168.1.165 is-at 00:AD:1F
AB:10:73, length 28
09:46:07.414362 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.1.1 tell
192.168.1.1, length 46
09:46:07.511316 ARP, Ethernet (len 6), IPv4 (len 4), Request who-has 192.168.1.120 tell
(34: B1:P8:CD: 12:9D) tell 0.0.0.0, length 46
09:46:07.524681 ARP, Ethernet (len 6), IPv4 (len 4), Reply 192.168.1.165 is- at
00:7E: E0: FA: B1:0A, length 28
```

Given the above output, which of the following is the reason why the user is experiencing network connectivity issues?

- A. The MAC address for the default gateway is unknown.
- B. The ARP query is incorrectly going to 0.0.0.0 instead of 192.168.1.1.
- C. Name resolution is not occurring properly.
- D. The packet capture shows an IP conflict.

Answer: A

QUESTION 1439

A network technician has been tasked with connecting three 802.11a clients to an 802.11g access point that is configured for WEP and is within a (9m) line of sight from the client. The clients are unable to associate with the access point. Which of the following is MOST likely the cause of this issue?

- A. Interference
- B. Wrong frequency
- C. Signal loss
- D. Wrong Encryption

Answer: B

Explanation:

802.11a operates in the 5GHz band while 802.11g operates in the 2.4GHz band.

QUESTION 1440

A web-based application is responding very slowly. The network administrator is looking at the following information from the transparent web proxy, which is configured in virtual-wire mode and is in the between the company's network and the Internet.

```
cth1
Link encap:Ethernet HWaddr 0a:d1:fa:13:10:2d
UP BROADCAST RUNNING MULTICAST MTU 1500 METRIC: 1
RX packets:31394210 errors:2 dropped:0 overrun:0 frame:0
TX packets:8347837 errors:0 dropped:0 overrun:0 frame:0

cth0
Link encap:Ethernet HWaddr 0a:d1:fa:13:10:2c
UP BROADCAST RUNNING MULTICAST MTU 1500 METRIC:1
RX packets:0 errors:0 dropped:0 overrun:0 frame:0
TX packets: 10348652 errors:531884 dropped:0 overun:0 frame:0
```

Given the above information, which of the following is the layer of the OSI model at which the issue is occurring and the MOST likely reason it is occurring? (Select TWO.)

- A. Layer 1
- B. Layer 4
- C. Layer 3
- D. Layer 7
- E. The application crashed
- F. NO IP addresses on interfaces
- G. Excessive TCP resets
- H. Bad cable

Answer: CH

Explanation:

<http://www.cisco.com/en/US/docs/internetworking/troubleshooting/guide/tr1907.html>

<https://blog.ruxit.com/detecting-network-errors-impact-on-services/>

QUESTION 1441

Which of the following is used to proxy client requests for IP configurations across different network segments?

- A. DHCP relay
- B. SOCKS
- C. Teredo tunneling
- D. Reverse proxy

Answer: A

QUESTION 1442

Which of the following is the BEST way to prevent various types of security threats throughout the network on a routine basis?

- A. Disaster recovery planning
- B. User training and awareness
- C. Penetration testing
- D. Business continuity training

Answer: B

QUESTION 1443

A network administrator is assigned an approved change request with a change window of 120 minutes. After 90 minutes, the change is stuck on step five of a five-step change. The network manager decides to initiate a rollback. Which of the following describes what the network administrator will do NEXT?

- A. Return the system to step four since this was the last working step.
- B. Request additional time since the change is near completion.
- C. Leave the change as is and inform users of a workaround.
- D. Return the system back to the original state before the change.

Answer: D

QUESTION 1444

A network administrator was told by the Chief Information Officer (CIO) to set up a new office with a network that has redundancy. Which of the following topologies would the network administrator need to administer?

- A. Hybrid
- B. Bus
- C. Mesh
- D. Partial mesh
- E. Star

Answer: C

QUESTION 1445

An engineer is reviewing network logs on a management switch and discovers that, compared to previous reports, a large amount of traffic is coming from a particular node. Upon further investigation, the engineer determines traffic coming from the port in question is using ports that indicate NAT is occurring somewhere downstream from that point. After conferring with another network manager, the team determines a user has added an unauthorized SOHO WLAN router to the network. Among the vulnerabilities that could result from such an action is the possibility of the user inadvertently connecting the LAN interface of the SOHO router into the LAN port coming from the corporate network. This configuration would MOST likely result in which of the following scenarios?

- A. Excessive interface on the corporate LAN port
- B. DHCP scope exhaustion
- C. Evil twin stacks
- D. Competing DHCP servers on a single LAN

Answer: C

QUESTION 1446

An organization wants to improve its ability to detect infiltration of servers in a DMZ, IPS/IDS solutions are currently located on the edge between DMZ and Untrust, and DMZ and Trust. Which of the following can increase visibility inside the DMZ?

- A. Layer 7 firewall
- B. Honeypot
- C. NAC server
- D. Host-based firewalls in the DMZ

Answer: A

Explanation:

[https://en.wikipedia.org/wiki/DMZ_\(computing\)](https://en.wikipedia.org/wiki/DMZ_(computing))

QUESTION 1447

A technician receives a report that a user's workstation is experiencing no network connectivity. The technician investigates and notices the patch cable running from the back of the user's VoIP phone is routed directly under the rolling chair and has been smashed flat over time. Which of the following is the most likely cause of this issue?

- A. Cross-talk
- B. Electromagnetic interference
- C. Excessive collisions
- D. Split pairs

Answer: C

QUESTION 1448

Which of the following tools would a network technician use to troubleshoot a span of single-mode fiber cable?

- A. Punchdown tool
- B. Spectrum analyzer
- C. Ethernet tester
- D. OTDR

Answer: B

QUESTION 1449

A network technician has received reports of an Internet-based application that has stopped functioning. Employees reported that after updating the Internet browsers, the application began to fail. Many users rolled back the update, but this did not correct the problem. Which of the following should the company do to reduce this type of action from affecting the network?

- A. Implement a disaster recovery plan with a hot site to allow users to continue working.
- B. Segment the network and create a test lab for all updates before deployment.
- C. Verify the update hashes match those on the vendor's website.
- D. Coordinate the Internet Server update to coincide with the users' updates.

Answer: B

QUESTION 1450

A project lead is reviewing the statement of work for an upcoming project that is focused on identifying potential weaknesses in the organization's internal and external network infrastructure. As part of the project, a team of external contractors will attempt to employ various attacks against the organization. The statement of work specifically addresses the utilization of an automated tool to probe network resources in an attempt to develop logical diagrams indicating weaknesses in the

infrastructure. The scope of activity as described in the statement of work is an example of ____.

- A. session hijacking
- B. vulnerability scanning
- C. social engineering
- D. penetration testing
- E. friendly DoS

Answer: D

QUESTION 1451

A network technician is selection the best way to protect a branch office from as many different threat from the Internet as possible using a single device. Which of the following actions would meet the objective?

- A. Configure a network-based firewall.
- B. Configure a firewall with UTM.
- C. Configure a host-based firewall.

Answer: A

QUESTION 1452

A network technician has been tasked to provide a local office with wireless Internet access. The network technician had determined the users will need a wireless router that provides a maximum of 54 Mbps of bandwidth while operating in the 2.4Ghz band. Which of the following wireless standards will the network technician deploy?

- A. 802.11a
- B. 802.11b
- C. 802.11g
- D. 802.11n

Answer: C

QUESTION 1453

A technician is looking at an issue with a computer connecting to the network. The technician determines wire 3 of a UTP Ethernet cable run has a break in it. This computer was previously connected to the switch at 1 Gbps throughput. This PC is a kiosk and does not need anything more than 50-60 Mbps connection speed. Which of the following can the technician do to resolve the issue quickly?

- A. Rewire both ends to have the wire on pin 6 remapped to pin 3.
Force the duplex and speed to 100 Mbps full duplex.
- B. Rewire both ends to have the wire on pin 6 remapped to pin 3.
Force the duplex and speed to 1000 Mbps full duplex.
- C. Rewire both ends to have the wire on pin 7 remapped to pin 3.
Force the duplex and speed to 100 Mbps full duplex.
- D. Rewire both ends to have the wire on pin 7 remapped to pin 3.
Force the duplex and speed to 1000 Mbps full duplex.

Answer: D

Explanation:

http://pinouts.ru/NetworkCables/ethernet_10_100_1000_pinout.shtml

QUESTION 1454

Which of the following physical devices provides the BEST security to a datacenter?

- A. Cipher lock
- B. Thumbprint reader
- C. Video monitoring
- D. Mantrap
- E. Key pad

Answer: D

QUESTION 1455

A network administrator need to install a border device on the network that will help ensure FTP commands are not being sent in traffic communicating on port 25. Which of the following devices will allow for deep packet inspection?

- A. Layer 7 firewall
- B. Web proxy
- C. Layer 3 switch
- D. Protocol analyzer

Answer: B

Explanation:

http://www.infosectoday.com/Articles/Deep_Packet_Inspection_Technologies.htm

QUESTION 1456

An employee of a highly secure company needs to use facial recognition in addition to username/password to successfully establish a VPN. Which of the following describes this methodology?

- A. PKI
- B. Federated identity
- C. Two-factor authentication
- D. Biometric authentication
- E. AAA

Answer: A

QUESTION 1457

A technician uses a cable tester to verify the pinout in an Ethernet cable. After testing each pin, the technician records the following output:

```
Main:   1 2 3 4 5 6 7 8
Remote: 3 6 1 7 8 2 4 5
```

Based on this information, which of the following identification describes this cable?

- A. Crossover cable
- B. Rollover cable
- C. Patch cable

D. RJ-48 cable

Answer: A

QUESTION 1458

An outside technician notices that a SOHO employee who is logged into the company VPN has an unexpected source IP address. Which of the following is the employee MOST likely using?

- A. Proxy server
- B. Least-cost routing
- C. IPv6
- D. VPN concentrator

Answer: A

QUESTION 1459

A system administrator wants to verify external IP addresses are unable to collect software versioning from servers on the network. Which of the following should system administrator do to confirm the network is protected?

- A. Analyze packet captures.
- B. Utilize netstat to locate active connections.
- C. Use nmap to query known ports.
- D. Review the ID3 logs on the network.

Answer: A

Explanation:

https://en.wikipedia.org/wiki/Packet_analyzer

QUESTION 1460

A network technician is connecting three temporary office trailers with a point-to-multipoint microwave radio solution in a wooded area. The microwave radios are up and the network technician can ping devices in all office trailers, however, connectivity is sporadic. Which of the following is MOST likely the cause of this issue?

- A. Latency
- B. Throttling
- C. Interference
- D. Split horizon

Answer: C

QUESTION 1461

A client has combined the voice-data circuit from a provider and is getting the maximum download and upload speeds of 2.0 Mbps. Which of the following services is being used?

- A. ADSL
- B. T1
- C. E1
- D. VDSL

Answer: A

QUESTION 1462

Joe, a network administrator, has installed an SFTP server behind a load-balancing router. He opened port 21 but was unable to establish a connection. Which of the following ports should he have opened?

- A. Port 20
- B. Port 22
- C. Port 162
- D. Port 443

Answer: B

Explanation:

https://en.wikipedia.org/wiki/SSH_File_Transfer_Protocol

QUESTION 1463

A technician is installing a network firewall and would like to block all WAN to LAN traffic that is using ports other than the default ports for Internet and email connectivity. Which of the following rules should the technician verify FIRST?

- A. All outbound traffic is blocked
- B. All inbound traffic is blocked
- C. A DMZ has been created
- D. An implicit deny is enables

Answer: D

QUESTION 1464

Which of the following network infrastructure implementations would be used to connect two remote sales back to the main campus for all data and voice traffic?

- A. Crossover cable
- B. Multimode fiber
- C. Satellite
- D. MPLS

Answer: B

Explanation:

https://en.wikipedia.org/wiki/Multi-mode_optical_fiber

QUESTION 1465

A disgruntled employee executes a man-in-the-middle attack on the company network. Layer 2 traffic destined for the gateway is redirected to the employee's computer. This type of attack is an example of ____.

- A. ARP cache poisoning
- B. IP spoofing
- C. amplified DNS attack
- D. evil twin

Answer: A

Explanation:

https://en.wikipedia.org/wiki/ARP_spoofing

QUESTION 1466

A home user reports to a network technician that the Internet is slow. The network administrator discovers that multiple unknown devices are connected to the access point. Which of the following is the MOST likely cause?

- A. An evil twin has been implemented.
- B. A successful WPS attack has occurred.
- C. The user is experiencing ARP poisoning.
- D. The user is connected to a botnet.

Answer: B

Explanation:

https://en.wikipedia.org/wiki/Wi-Fi_Protected_Setup

QUESTION 1467

A user reports slow performance. A technician troubleshooting the issue uses a performance monitoring tool and receives the following results:

- Avg. % Processor Time = 15%
- Avg. Pages/Second = 5
- Avg. Disk Queue Length = 1

Based on these results, which of the following is causing a bottleneck?

- A. Hard drive
- B. Memory
- C. NIC
- D. Processor

Answer: B

QUESTION 1468

A network technician has received a report that workstations are unable to gain access to the network. During the troubleshooting process, the technician discovers that the switch connecting these workstations has failed. Which of the following will be the QUICKEST option to configure a new switch?

- A. Baseline
- B. Image
- C. Archive
- D. Syslog

Answer: B

QUESTION 1469

A technician is testing a new web-based tool capable of generating automatic teller machine (ATM) cash and service availability reports. The web-based tool was developed by a consortium of financial institutions. Which of the following cloud delivery models and technologies are being utilized? (Select TWO.)

- A. SaaS
- B. Public

- C. Community
- D. PaaS
- E. Private
- F. IaaS

Answer: CE

QUESTION 1470

Workers in a company branch office are required to click on an initial web page and agree to have web surfing mentioned. This is an example of _____.

- A. an end-user license agreement
- B. an SLA
- C. an AUP
- D. an MOU

Answer: C

Explanation:

https://en.wikipedia.org/wiki/Acceptable_use_policy

QUESTION 1471

Which of the following ports does SIP use?

- A. 443
- B. 1720
- C. 2427/27/27
- D. 5004/5005
- E. 5060/5061

Answer: E

Explanation:

https://en.wikipedia.org/wiki/Session_Initiation_Protocol

QUESTION 1472

A network administrator wants to implement a centralized monitoring solution that utilizes push alerts sent from the client to a server. Which of the following types of monitoring should be put in place?

- A. SNMP
- B. SMTP
- C. NIDS
- D. SMS

Answer: A

Explanation:

https://community.fireeye.com/docs/DOC-6353#jive_content_id_SNMP_Traps_Event_Push

QUESTION 1473

After upgrading a fiber link from 1 Gbps, a network technician ran a speed test of the link. The test shows the link is not operating at full speed and connectivity is intermittent. The two buildings are 1.476ft (450m) apart and are connected using CM4 fiber and 10G SR SFPs. The fiber runs through the electrical and boiler rooms of each building. Which of the following is the MOST likely reason

for the connectivity issue?

- A. The wrong SFPs are being used
- B. There is interference from the electrical room
- C. CM1 fiber should be used instead
- D. There is heat from the boiler room

Answer: A

Explanation:

http://www.cisco.com/c/en/us/products/collateral/interfaces-modules/transceiver-modules/data_sheet_c78-455693.html

QUESTION 1474

Several users at an adjacent office building report connectivity issues after a new building was built in between the two offices. The network technician has determined the adjacent office building is connected to the main office building via an 802.11ac bridge. The network technician logs into the AP and confirms the SSID, encryption and channels are all correct. Which of the following is MOST likely the cause of this issue?

- A. Device saturation
- B. Antenna type
- C. Bandwidth saturation
- D. Interference

Answer: D

QUESTION 1475

Ann, a technician, connects a pair of switches using redundant links. When she checks the status of the links, one of them is not active, even when she changes ports. Which of the following MOST likely disabled the redundant connection to the other switch?

- A. Spanning tree
- B. IGRP routing
- C. SSID mismatch
- D. Port mirroring

Answer: A

Explanation:

<http://www.cisco.com/c/en/us/support/docs/lan-switching/spanning-tree-protocol/5234-5.html>

QUESTION 1476

A network administrator has determined the ingress and egress traffic of a router's interface are not being correctly reported to the monitoring server. Which of the following can be used to determine if the router interface uses 64b vs 32b counters?

- A. SNMP walk
- B. Packet analyzer
- C. SYSLOG server
- D. Port Scanner

Answer: A

Explanation:

<https://www.snmpsoft.com/cmd-tools/snmp-walk/>

QUESTION 1477

Which of the following is an example of a signaling protocol used in VoIP telephony?

- A. VRRP
- B. H.323
- C. RTSP
- D. SIP

Answer: D

Explanation:

https://en.wikipedia.org/wiki/Session_Initiation_Protocol

QUESTION 1478

A network administrator is troubleshooting an issue with unstable wireless connections in a residence hall. Students on the first and second floors are reporting the hall's SSID is not visible in the evenings. The network administrator has verified the wireless system is operating normally. Which of the following is the MOST likely cause for the problem reported by students?

- A. Internet router maintenance is scheduled.
- B. An ARP attack is underway.
- C. The SSID is set to hidden.
- D. A jammer is being used.

Answer: A

QUESTION 1479

Which of the following is the number of bits there are in 1024 bytes?

- A. 512b
- B. 4096b
- C. 8000b
- D. 8192b

Answer: D

QUESTION 1480

Policies, procedures and end-user training are effective ways to mitigate ____.

- A. zero-day attacks
- B. attempted DDoS attacks
- C. man-in-the-middle attacks
- D. social engineering attempts

Answer: A

Explanation:

<https://www.sans.org/reading-room/whitepapers/bestprac/defenses-zero-day-exploits-various-sized-organizations-35562>

QUESTION 1481

When a criminal or government investigation is underway, which of the following describes the

identification, recovery or exchange of electronic information relevant to that investigation?

- A. Data transport
- B. First responder
- C. eDiscovery
- D. Encryption

Answer: C

Explanation:

<http://searchfinancialsecurity.techtarget.com/definition/electronic-discovery>

QUESTION 1482

A network architect is designing a highly redundant network with a distance vector routing protocol in order to prevent routing loops, the architect has configured the routers to advertise failed routes with the addition of an infinite metric. Which of the following methods has the architect chosen?

- A. Spanning tree
- B. Split horizon
- C. Route poisoning
- D. Hold down timers

Answer: C

QUESTION 1483

A network engineer is designing a campus-wide wireless network. Wireless access points will be distributed across the campus for maximum availability. The network is to be designed to handle a large number of roaming wireless devices. Which of the following features should the engineer use in order to dynamically limit the number of devices in each broadcast domain?

- A. VLAN pooling
- B. Subnetting
- C. WPA2
- D. LWAPP

Answer: D

Explanation:

https://en.wikipedia.org/wiki/Lightweight_Access_Point_Protocol

QUESTION 1484

A company is setting up a brand new datacenter and would like to keep the cabling infrastructure out of sight but still accessible to the network administrators. Infrastructure cost is not an issue. Which of the following should be installed to meet the requirements?

- A. Conduit
- B. Cable trays
- C. Patch panels
- D. Raised floor

Answer: C

QUESTION 1485

A technician troubleshooting an area that is having difficulty connecting to a WAP. After identifying

the symptoms, which of the following should the technician do NEXT?

- A. Document findings.
- B. Resolve the issue.
- C. Establish the probable cause.
- D. Implement a solution.

Answer: C

Explanation:

<http://www.examcollection.com/certification-training/network-plus-network-troubleshooting-methodology.html>

QUESTION 1486

A network engineer is designing a wireless network that uses multiple access point for complete coverage. Which of the following channel selections would result in the LEAST amount of interference between each access point?

- A. Adjacent access points should be assigned channels 1, 6, and 11 with a 20MHz channel width.
- B. Adjacent access points should be assigned channels 2,6, and 10 with a 20MHz channel width.
- C. Adjacent access points should be assigned channels 7 and 11 with a 40MHz channel width.
- D. Adjacent access points should be assigned channels 8 and 11 with a 40MHz channel width.

Answer: A

Explanation:

<http://www.windowsnetworking.com/articles-tutorials/wireless-networking/tips-assigning-wi-fi-channels.html>

QUESTION 1487

A network technician is troubleshooting connectivity problems between switches but suspects the ports are not properly labeled. Which of the following options will help to quickly identify the switches connected to each port?

- A. Configure TACACs+ on each network device.
- B. Enable a discovery protocol on the network devices.
- C. Configure each uplink to send LACP discovery units.
- D. Enable a packet sniffer on each network device's uplink port.

Answer: B

Explanation:

"Neighbor discovery protocols are essential for network administrators and management tools to accurately construct a view of the network topology. Each manufacturer has its own supported mix of neighbor discovery protocols, loosely based on how standards-focused that vendor is and how much it wants to pay in royalties to use proprietary protocols. The two most widely used are LLDP (Link Layer Discovery Protocol), an IEEE standard, and CDP (Cisco Discovery Protocol)."

<http://www.networkcomputing.com/networking/5-basic-switch-settings-you-must-know/879127198>

QUESTION 1488

The BEST way to secure the most vulnerable attack vector for a network is to _____.

- A. Update all antivirus definitions on workstations and servers.
- B. Use biometrics and SSO for authentication.
- C. Remove unneeded services running on the servers.

D. Provide end-user awareness training to office staff.

Answer: A

QUESTION 1489

Which of the following encryption types would MOST likely be used for securing a client-to-server VPN connection?

- A. TKIP
- B. Kerberos
- C. ISAKMP
- D. AES

Answer: D

QUESTION 1490

Host1's application generates a payload of 2500B of data and sends to Host2. When the application on Host2 receives the payload it will be _____.

- A. more than 2500B due to encapsulation
- B. 2500B in size
- C. less than 2500B due to decapsulation
- D. 1500B due to the default MTU settings

Answer: B

Explanation:

<http://techterms.com/definition/payload>

QUESTION 1491

A technician is troubleshooting a desktop connectivity issue. The technician believes a static ARP may be causing the problem. Which of the following should the technician do NEXT according to the network troubleshooting methodology?

- A. Remove the ARP entry the user's desktop.
- B. Identify a suitable time to resolve the issue on the affected desktop.
- C. Duplicate the issue in a lab by removing the ARP entry.
- D. Document the findings and provide a plan of action.

Answer: C

Explanation:

<http://www.examcollection.com/certification-training/network-plus-network-troubleshooting-methodology.html>

QUESTION 1492

An administrator notices an abnormally high level of network traffic from a server. Upon logging into the server, the administrator runs the following command:

```
C:\>netstat -ano
```

```
Active Connections
```

```
ProtoLocal AddressForeign AddressStatePID
```

```
TCP172.16.100.55129.45.32.221Established331
```

Which of the following should the administrator use to correlate the active connection with the running service?

- A. netstat -p
- B. Open task manager
- C. route print
- D. Open services.msc

Answer: C

Explanation:

<https://technet.microsoft.com/en-us/library/cc958877.aspx>

QUESTION 1493

A network engineer has been tasked with designing a network for a new branch office with approximately 50 network devices. This branch office will connect to the other offices via a MAN. Many of the other branch offices use off-the-shelf SOHO equipment. It is a requirement that the routing protocol chosen use the least amount of overhead. Additionally, all computers on the network will be part of a single VLAN. The connection between these computers should produce the highest throughput possible, in the most cost effective manner. Which of the following devices would be MOST appropriate?

- A. A router should be used as a gateway device, with RIPv2 as the routing protocol. The computers should be connected to one another with 1Gb Layer 2 switch.
- B. A UTM should be used as a gateway device, with BGP as the routing protocol. The computers should be connected to one another using 1Gb Fibre Channel.
- C. A router should be used as a gateway device, with EIGRP as the routing protocol. The computers should be connected to one another using a single 802.11N MIMO access point.
- D. A router should be used as a gateway device, with OSPF as the routing protocol. The computers should be connected to one another using 1Gb Layer 3 switch.

Answer: A

Explanation:

A: 1Gb Layer 2 switch is the cheapest switching solution offering 1 Gbps network connectivity between the computers. RIPv2 has a lower overhead as required in the question.

Incorrect:

Not B: A 1Gb Fibre Channel network is expensive and is no faster than a 1 Gbps network switch. Furthermore, the computers would require Fibre Channel network adapters that do not come as standard on off-the-shelf computers.

Not C: An 802.11N MIMO access point is a wireless access point. These typically run at 300 mbps which is slower than a 1 Gbps network switch. Furthermore, the computers would require MIMO network adapters that do not come as standard on off-the-shelf computers.

Not D: A layer 3 switch is more expensive than a layer 2 switch. The question states that all the computers are in the same VLAN. Therefore, there is no need for inter-VLAN routing so a layer 3 switch is not required. OSPF also has a higher overhead than RIPv2.

QUESTION 1494

A network technician is responsible for the basic security of the network. Management has asked if there is a way to improve the level of access users have to the company file server. Right now, any employee can upload and download files with basic system credentials. Which of the following would require additional credentials?

- A. Kerberos authentication
- B. MDS authentication

- C. Multifactor authentication
- D. Single sign-on authentication

Answer: C

QUESTION 1495

A network technician replaced a faulty Ethernet cable. The technician replaced one side of the patch in the incorrect part of the patch panel. Within a few minutes, the technician was informed that users were experiencing slow or no Internet connectivity all over the building. A broadcast storm began. After removing the replacement cable, which of the following should the technician do NEXT?

- A. Replace the cable during the next maintenance window.
- B. Review labeling and logical network diagram documentation.
- C. Attempt to isolate the storm to the domain by rebooting the switch.
- D. Re-terminate all of the other Ethernet cables on the switch to isolate the issue.

Answer: B

QUESTION 1496

In a network that requires multilayer switches to use authentication via RADIUS/TACACS+, which of the following access control models will the switches need to utilize?

- A. 802.1q
- B. 802.3af
- C. PKI
- D. 802.1x

Answer: D

Explanation:

http://www.cisco.com/c/en/us/td/docs/ios/12_4t/12_4t11/ht_8021x.html#wp1258507

QUESTION 1497

A network administrator is comparing several different wireless technologies. To calculate the effective maximum file transfer rate instead of the theoretical, which of the following should be measured?

- A. Throughput
- B. Latency
- C. Goodput
- D. Bandwidth

Answer: A

Explanation:

https://documentation.meraki.com/MR/WiFi_Basics_and_Best_Practices/Wireless_Throughput_Calculations_and_Limitations

QUESTION 1498

An organization is required to implement a wireless network. The organization must implement wireless routers compatible with 802.11ac protocol that have maximum possible range. Which of the following wireless router frequencies is a viable option?

- A. 2.4GHz
- B. 3.7GHz
- C. 5.0GHz
- D. 6.0GHz

Answer: A

QUESTION 1499

A firewall technician has received calls stating the network is running slowly. The technician has found the firewall is functioning properly. Which of the following should the technician review to determine the cause of the slow performance?

- A. SNMP traps
- B. Heat maps
- C. Top talkers
- D. Port scanner

Answer: C

QUESTION 1500

A network's design includes gateways connecting an assembly-line network. The assembly-line network users specialized cabling and interfaces to allow the assembly-line robots to communicate with one another. The IP is connecting the technician workstations with which of the following network types?

- A. CSU/DSU
- B. SCADA/ICS
- C. IS-IS
- D. LAN

Answer: B

Explanation:

<https://en.wikipedia.org/wiki/SCADA>

QUESTION 1501

A network administrator updated an Internet server to evaluate some new featured in the current release. A week after the update, the Internet server vendor warns that the latest release may have introduced a new vulnerability and a patch is in the works. Which of the following should the network administrator do to BEST migrate this risk?

- A. Enable the host-based firewall on the Internet server.
- B. Enable HIPS to protect the server until the patch is released.
- C. Utilize WAF to restrict malicious activity to the Internet server.
- D. Downgrade the server and defer the new feature testing.

Answer: D

QUESTION 1502

Which of the following anti-malware solutions should be implemented to deter attackers from loading custom files onto a distributed target platform?

- A. Cloud-based anti-malware

- B. Host-based anti-malware
- C. Network-based anti-malware
- D. Signature-based anti-malware

Answer: B

Explanation:

https://en.wikipedia.org/wiki/Intrusion_detection_system

QUESTION 1503

A company has decided to upgrade its legacy phone system to VoIP. The new phones will download the configurations from a TFTP server each time they boot up. Which of the following firewall ports must be opened to ensure the phones can communicate with the server?

- A. 20
- B. 53
- C. 69
- D. 161

Answer: C

Explanation:

https://en.wikipedia.org/wiki/Trivial_File_Transfer_Protocol

QUESTION 1504

A technician needs to set up uplink ports for multiple switches to communicate with one another. ALL VLANs should be transferred from the designed server switch. Which of the following should be set on the uplink ports if VLAN 1 is not the management VLAN? (Select TWO.)

- A. STP
- B. Port mirroring
- C. Port security
- D. 802.1x
- E. 802.1q
- F. VTP
- G. Link aggregation

Answer: AF

Explanation:

<http://www.cisco.com/c/en/us/support/docs/lan-switching/vtp/98155-tshoot-vlan.html#topic12>

QUESTION 1505

A technician is tasked with troubleshooting a network's slowness. While troubleshooting, the technician is unable to ping any external websites. Users report they are able to access the sites using the web browsers. Which of the following is the MOST likely cause?

- A. ICMP traffic being blocked by the firewall
- B. VLAN hopping
- C. TACACS misconfiguration
- D. MTU black hole

Answer: A

Explanation:

<https://www.bleepingcomputer.com/forums/t/459888/why-i-cant-i-ping-any-website-although-i->

can-access-them/

QUESTION 1506

A technician has terminated a cable on the datacenter with an RJ-11 connector. Which of the following applications is MOST likely being used?

- A. Ethernet for a NAS appliance
- B. Out-of-band management
- C. VRRP interconnect link
- D. Crossover patch cabling

Answer: D

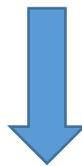
QUESTION 1507

A company-wide audit revealed employees are using company laptops and desktops for personal gain. As a result, the company has incorporated the phrase "Company-owned IT assets are to be used to perform authorized company business only" in which of the following documents?

- A. MSA
- B. MOU
- C. SLA
- D. AUP

Answer:

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