

- **Vendor: CompTIA**
- **Exam Code: N10-007**
- **Exam Name: CompTIA Network+ N10-007 Certification Exam**
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QUESTION 1252

A new employee is learning how to use multiple company applications. Upon logging in to one application, the employee notices the other applications do not require authentication. Which of the following explains the reason why this is happening?

- A. Kerberos is being used to authenticate.
- B. The employee logged in to a captive portal.
- C. Single sign-on is being used.
- D. Local authentication was performed.

Answer: C

QUESTION 1253

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

- A. The nearest APs are configured for 802.11g.
- B. An incorrect channel assignment is on the nearest APs.
- C. The power level is too high for the AP on the far side.
- D. Interference exists around the AP on the far side.

Answer: B

QUESTION 1254

Which of the following VPN technologies should a network technician utilize to tunnel IPv6 traffic and multicast over an IPv4 WAN link?

- A. AH
- B. DTLS
- C. SSL
- D. GRE

Answer: D

QUESTION 1255

Which of the following technologies would allow a technician to install and run multiple guest operating systems on host hardware?

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- A. PXE
- B. Clustering
- C. Hypervisor
- D. SAN

Answer: C

QUESTION 1256

A customer wants a technician to implement a solution that will allow its critical on-site servers to continue to function in the event of an extended power outage. Which of the following should the technician recommend?

- A. Warm site
- B. Load balancer
- C. Power generator
- D. Hot site

Answer: C

QUESTION 1257

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

- A. Packet capture
- B. iPerf
- C. NetFlow analyzer
- D. Internet speed test

Answer: B

QUESTION 1258

A network administrator needs to bring a new building online that houses multiple departments. The departments vary in size, with the smallest having 25 hosts and the largest having 140 hosts. When designing the addressing scheme for the new building, which of the following should the network administrator use to limit the number of wasted IP addresses?

- A. Public IPs
- B. Private IPs
- C. DHCP
- D. VLSM
- E. Reserved IPs

Answer: D

QUESTION 1259

A software company is hosting a seminar at a local conference center to unveil its latest software release. As the clients begin to arrive and connect their mobile devices to the wireless network, users begin to report connectivity and throughput issues. Which of the following should the network technicians do to resolve the reported issues quickly?

- A. Call the ISP to increase the bandwidth.
- B. Provision and deploy additional WAPs.
- C. Run Cat 6 cable to each of the WAPs.
- D. Upgrade the wireless network to the newest standard.

Answer: A

QUESTION 1260

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

- A. Channel bonding
- B. EIRP power settings
- C. Antenna polarization
- D. A directional antenna

Answer: A

QUESTION 1261

A rural municipality has built an external public WiFi meshed network using omnidirectional antennas. After the initial build, the performance meets expectations, and the municipality enters a six-month pilot program in the fall. By the end of the pilot program in the spring, the performance has fallen dramatically. The pilot has a static number of users with no increases in usage from beginning to end. Which of the following would be the MOST likely reason for the performance issues?

- A. Too many users in the pilot creating overcapacity issues
- B. Buildings creating reflection issues
- C. Omnidirectional antennas being insufficient for outdoor use
- D. Foliage creating absorption issues

Answer: D

QUESTION 1262

Which of the following should a technician use to keep the STP topology predictable and consistent?

- A. Root guard
- B. Flood guard
- C. Dynamic ARP inspection
- D. Ingress ACLs

Answer: A

QUESTION 1263

A malicious user sent double-tagged frames on an 802.1Q-enabled port and immediately gained access to additional network resources. Which of the following attacks did the malicious user successfully execute?

- A. Evil twin
- B. Man-in-the-middle
- C. DNS poisoning
- D. VLAN hopping

Answer: D

QUESTION 1264

A junior technician deployed new computers in a company, and users are reporting issues with file transfers to network shares being slower than with the previous computers. The network administrator verifies the switch's gigabit ports are set to autonegotiate. Which of the following should the administrator perform NEXT to determine the issue?

- A. Change the default gateway on the new computers.
- B. Update the drivers for the NIC cards.
- C. Move the computers to a different VLAN.

D. Determine if the NIC speed on the computers is configured correctly.

Answer: D

QUESTION 1265

A technician is called to a customer site because the modem has failed and needs to be replaced. The technician connects the existing firewall to a modem taken from another customer site and ensures the users can reach the Internet. That night, a remote vendor tries to transfer a file to the customer's server using FTP but is unable to make the connection. There were no issues the previous night. Which of the following is the MOST likely cause of the problem?

- A. The firewall rules in the router were not reconfigured for use with the newer ISP protocols.
- B. The modem may have its own built-in firewall that is interfering with the communications.
- C. The ISP cannot route traffic from the new modem because it came from another ISP.
- D. The NAT that converts the public IP to the internal private IP of the server is using an incorrect port.

Answer: B

QUESTION 1266

A customer has requested Ethernet cabling for a new office building. A technician is dispatched to perform a site survey and does not note any special considerations for the installation. Which of the following cable types will the technician MOST likely recommend for this installation?

- A. Metallic sheathed
- B. Fiber optic
- C. Unshielded twisted pair
- D. Coaxial

Answer: C

QUESTION 1267

Branch users are experiencing issues with videoconferencing. Which of the following will the company MOST likely configure to improve performance for these applications?

- A. Link Aggregation Control Protocol
- B. Dynamic routing
- C. Quality of service
- D. Network load balancer
- E. Static IP addresses

Answer: C

QUESTION 1268

A new application is being deployed. The application team has asked the network team to monitor network performance and create alerts if fluctuations in the round-trip time for that traffic occur. Which of the following should the network team monitor to meet this requirement?

- A. Bandwidth
- B. Latency
- C. Loss
- D. Jitter

Answer: D

QUESTION 1269

A network technician is required to install a network device to provide service to an office area. The office area has 23

users and two printers that must be able to connect to the file server in a different building. Which of the following network devices should the technician use?

- A. Media converter
- B. Switch
- C. Bridge
- D. Wireless range extender

Answer: B

QUESTION 1270

A company has multiple site-to-site VPN connections using a pre-shared key. The Chief Information Security Officer (CISO) is concerned about the long-term security of the tunnels and has asked the network technicians to develop a plan to ensure the best security of the tunnels. Which of the following should the network technicians implement?

- A. Purchase dedicated MPLS circuits between each of the sites.
- B. Request a change of IP addresses from the ISP semiannually.
- C. Perform annual key rotations on the site-to-site VPNs.
- D. Terminate tunnels when they are not actively being used.

Answer: C

QUESTION 1271

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

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

Answer: A

QUESTION 1272

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

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

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

- A. Channel overlap
- B. Poor signal
- C. Incorrect power settings
- D. Wrong antenna type

Answer: A