



-The original certification question!

<https://www.it-exams.com>

Exam Number:N10-007

Exam Name:CompTIA Network+
Certification Exam

Version: Demo

QUESTION 1

Users on a LAN segment are reporting a loss of connectivity to network services. The client PCs have been assigned with 169.254.X.X IP addresses. Which of the following IP address schemas is being utilized?

- A.Private IP
- B.Static IP
- C.APIPA
- D.Loopback

Answer: C

QUESTION 2

A network administrator has created a new VLAN for the server and clients within the accounting department and wants to outline how it integrates with the existing network. Which of the following should the administrator create?

- A.Logical diagram
- B.Physical diagram
- C.Rack diagram
- D.Configuration diagram

Answer: A

QUESTION 3

Which of the following would indicate that a circuit speed should be increased?

- A.Low latency
- B.Low bandwidth consumption
- C.High number of SIEM alerts
- D.High packet drops

Answer: D

QUESTION 4

A technician has installed an older IP camera as a temporary replacement for a recently failed newer one. The technician notices that when the camera's video stream is off, the ping roundtrip time between the camera and the network DVR is consistently less than 1ms without dropped packets.

When the camera video stream is turned on, the ping roundtrip time increases dramatically, and network communication is slow and inconsistent. Which of the following is MOST likely the issue in this scenario?

- A.VLAN mismatch
- B.Duplex mismatch
- C.Cat 6 RX/TX reversed
- D.Damaged cable

Answer: B

QUESTION 5

Wireless users have been experiencing connectivity problems. Investigation shows neighboring wireless appliances, which are not connected to the network, have been on the same 5GHz frequency to communicate. Which of the following wireless performance problem concepts defines this issue?

- A.Interference
- B.Distance limitation
- C.Signal-to-noise ratio
- D.Absorption

Answer: A

QUESTION 6

Which of the following BEST explains the purpose of signature management as a mitigation technique?

- A.Hardening devices
- B.Segmenting the network
- C.Detecting malicious activity
- D.Restricting user credentials

Answer: C

QUESTION 7

A network technician installs a web server on the firewall. Which of the following methods should the technician implement to allow access to outside users without giving access to the inside network?

- A.VLAN
- B.DMZ
- C.SNMP
- D.NTP

Answer: B

QUESTION 8

A Chief Information Officer (CIO) tasks the network engineer with protecting the network from outside attacks. Placing which of the following devices on the network perimeter would provide the MOST security for the system?

- A.Firewall
- B.NGFW
- C.Content filter
- D.IDS/IPS

Answer: B

QUESTION 9

Management has requested that a wireless solution be installed at a new office. Which of the following is the FIRST thing the network technician should do?

- A.Order equipment
- B.Create network diagrams
- C.Perform a site survey
- D.Create an SSID.

Answer: C

QUESTION 10

A technician has deployed an additional DHCP server for redundancy. Clients in certain subnets are not receiving DHCP leases from the new DHCP server. Which of the following is the MOST likely cause?

- A.The new DHCP server's IP address was not added to the router's IP helper list.
- B.The new DHCP server is not receiving the requests from the clients.
- C.The ARP cache of the new DHCP server needs to be updated.
- D.The ARP table on the router needs to be cleared.

Answer: A

QUESTION 11

Greater bandwidth and availability are required between two switches. Each switch has multiple 100Mb Ethernet ports available. Which of the following should a technician implement to help achieve these requirements?

- A.Spanning tree
- B.Clustering
- C.Power management
- D.Port aggregation

Answer: D

QUESTION 12

A technician is configuring a new server with an IP address of 10.35.113.47 on the 10.35.112.0 subnet to allow for the maximum number of hosts. When configuring network settings, which of the following is the correct subnet mask?

- A.10.35.112.0/30
- B.10.35.112.0/24
- C.255.255.240.0
- D.255.255.248.0
- E.255.255.255.0

Answer: C

QUESTION 13

Ann, a customer, recently upgraded her SOHO Internet to gigabit fiber from cable. She was previously getting speeds around 75Mbps down and 25Mbps up. After the upgrade, Ann runs a speed test on her desktop and gets results of 1000Mbps down and 100Mbps up. A technician connects directly to the router and sees the correct 1000Mbps speeds. Which of the following is MOST likely the cause? (Select two).

- A.All ports should be configured for full duplex.
- B.There is a 10/100 switch on the network.
- C.The connections are using Cat 5 cable.
- D.The connections are using Cat 6 cable.
- E.There is a transceiver mismatch at the fiber termination point.
- F.Signal attenuation on the new fiber has reached the upper limits.

Answer: AC

QUESTION 14

A user reports intermittent performance issues on a segment of the network. According to the troubleshooting methodology, which of the following steps should the technician do NEXT after collecting initial information from the customer?

- A.Document findings, actions, and outcomes.
- B.Establish a theory of probable cause.
- C.Establish a plan of action to resolve the problem.
- D.Duplicate the problem, if possible.

Answer: D

QUESTION 15

Which of the following protocols is associated with a three-way handshake?

- A.UDP
- B.ICMP
- C.GRE
- D.TCP

Answer: D

QUESTION 16

Which of the following would a company place at the edge of its network if it wants to view and control which Internet applications are being used?

- A.VPN concentrator
- B.NGFW
- C.IDS/IPS
- D.Proxy server

Answer: B

QUESTION 17

A technician wants to physically connect two office buildings' networks. The office buildings are located 600ft (183m) apart. Which of the following cable types is the BEST choice?

- A.Cat 5e
- B.Cat 6a
- C.Multimode
- D.Coaxial

Answer: C

QUESTION 18

A network technician has salvaged several Ethernet cables from a datacenter. The technician attempts to use the cables to connect desktops to the network without success. Which of the following is MOST likely the issue?

- A.The cables have an incorrect pin-out.
- B.The cables are UTP instead of STP.
- C.The cables are Cat 6 instead of Cat 5.
- D.The cables are not plenum rated.

Answer: A

QUESTION 19

A network administrator has had difficulty keeping track of IP address assignments on networking devices and clients recently. Which of the following is the BEST technology to aid in this scenario?

- A.DNS
- B.DHCP
- C.IPAM
- D.NTP

Answer: C

QUESTION 20

Users in a school lab are reporting slow connections to the servers and the Internet. Other users in the school have no issues. The lab has 25 computers and is connected with a single 1Gb Ethernet connection on Cat 5e wiring to an unmanaged switch. There are also three spare Cat 5e cable runs, which are not in use. The school wants to double the

connection speed between the lab and the servers without running new cables. Which of the following would be the BEST solution?

- A.Plug in a second spare cable at each end to double the speed.
- B.Replace the switches with ones that utilize port bonding and use the spare cables.
- C.Replace the switches with 10Gb switches and utilize the existing cabling.
- D.Plug in a second cable and set one port to TX and one port to RX.

Answer: B

QUESTION 21

A technician is downloading an ISO from a vendor?s website. To ensure the integrity of the download, which of the following should be verified?

- A.File size
- B.Vendor URL
- C.File hashing
- D.Encryption

Answer: C

QUESTION 22

A network administrator is assigned to run and connect a Cat 6e Ethernet cable between two nodes in a datacenter. Which of the following connector types should the network administrator use to terminate this cable?

- A.DB-9
- B.RS-232
- C.DB-25
- D.RJ-45

Answer: D

QUESTION 23

A network technician is planning to update the firmware on a router on the network. The technician has downloaded the file from the vendor?s website. Before installing the firmware update, which of the following steps should the technician perform to ensure file integrity?

- A.Perform antivirus and anti-malware scans of the file.
- B.Perform a hash on the file for comparison with the vendor?s hash.

- C.Download the file a second time and compare the version numbers.
- D.Compare the hash of the file to the previous firmware update.

Answer: B

QUESTION 24

A network technician performs a wireless site survey at a company building and identifies that the cafeteria is not covered by a wireless signal. The cafeteria is located in a medium-size, square-shaped room. Which of the following types of WAP antenna should the technician install in the center of the cafeteria to provide the BEST coverage?

- A.Unidirectional
- B.Parabolic
- C.Omnidirectional
- D.Yagi

Answer: C

QUESTION 25

An entire enterprise cannot access a specific website. The network technician knows the website was accessible last week. The technician can also ping the website. Which of the following is the technician MOST likely to find upon investigation?

- A.The firewall is misconfigured.
- B.The network is being hit by a zero-day attack.
- C.The SSL certificate is untrusted.
- D.The SSL certificate has expired.

Answer: D

QUESTION 26

At which of the following OSI model layers would a router operate?

- A.Physical
- B.Network
- C.Transport
- D.Data link

Answer: B

QUESTION 27

Which of the following are characteristics of jumbo frames? (Choose two.)

- A. Commonly used on SAN
- B. MTU size greater than 1500
- C. MTU size greater than 10000
- D. Commonly used on IaaS
- E. MTU size greater than 12000

Answer: AB

QUESTION 28

A network administrator gets a call regarding intermittent network outages across the country.

Which of the following should be used to connect to the network so the administrator can troubleshoot this issue from home? (Choose two.)

- A. FTP
- B. SMTP
- C. VPN
- D. SSH
- E. SNMP

Answer: CD

QUESTION 29

A technician is troubleshooting network connectivity issues with a remote host. Which of the

following tools would BEST inform the technician of nodes between the client and the remote host?

(Choose two.)

- A. tracert
- B. ping
- C. tcpdump
- D. pathping
- E. netstat
- F. nslookup
- G. route

Answer: AD

QUESTION 30

A technician is setting up VoIP phones on a wireless network. Users report that calls are choppy and sometimes dropped. The technician has measured two characteristics using simple command-line tools that verify the problem. Which of the following characteristics did the technician measure?

(Choose two.)

- A. Reflection
- B. Latency
- C. Interference
- D. Packet loss
- E. Signal-to-noise ratio
- F. Attenuation

Answer: BD

QUESTION 31

A network administrator is going to be performing a major upgrade to the network. Which of the following should the administrator use in case of a failure?

- A. Baseline report
- B. Vulnerability report
- C. Rollback plan
- D. Business continuity plan

Answer: C