



N10-005

CompTIA Network+ Certification Exam

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Question: 1

Which of the following would help a new administrator quickly determine if a network had a VLAN for its publicly accessible servers?

- A. Baselines
- B. Regulations
- C. Logical network diagrams
- D. Wiring schematics

Answer: C

Question: 2

Keyword and blacklist filtering would be handled at which level in a network?

- A. Layer 2 managed switch
- B. DHCP server
- C. Hardware firewall
- D. Bridge

Answer: C

Question: 3

A common technique used to prevent the unauthorized network devices from sending traffic across a network is port.

- A. spanning
- B. address translation
- C. mirroring
- D. authentication

Answer: D

Question: 4

When installing two 802.11g access points in the same building, which of the following channels will MOST likely be used to minimize interference?

- A. 5 and 6
- B. 1 and 6
- C. 6 and 10
- D. 2 and 6

Answer: B

Question: 5

Which of the following devices transmits timed broadcasts onto an active network?

- A. Bridge
- B. Unmanaged switch
- C. DHCP client
- D. Firewall

Answer: C

Question: 6

Users are unable to stay connected to the company's wireless network. Several times throughout the day the user ' signals are dropped and they are forced to reconnect to the network. A technician determines the network cabling that supplies the WAP has been run inside with several power lines. Which of the following is the MOST likely cause of the network issue?

- A. A short
- B. Open pairs
- C. ESD
- D. EMI

Answer: D

Question: 7

Which of the following describes the location where an administrator would terminate a bundle of CAT5e cables?

- A. Switch
- B. Smart jack
- C. Router
- D. Patch panel

Answer: D

Question: 8

Which of the following can be an STP cable?

- A. RG-6
- B. CAT5e
- C. Fiber
- D. RG-59

Answer: B

Question: 9

Which of the following is used to identify active hosts along with their network addresses?

- A. Port scan
- B. Ping sweep
- C. IDS
- D. NIPS

Answer: B

Question: 10

A section of the building has been having intermittent connectivity problems lately. An action plan and solution has been created. Which of the following steps would an administrator perform NEXT?

- A. Document the solution and process.
- B. Establish the most probable cause.
- C. Implement and test the solution.
- D. Identify additional symptoms and problems

Answer: C

Question: 11

A web server is running correctly but sending a RST packet to any client trying to connect using HTTP on TCP port 80. Which of the following tools should be used to determine the listening port of the web server?

- A. Route
- B. Ifconfig
- C. Netstat
- D. Nslookup

Answer: C

Question: 12

Which of the following utilities can be used to list the routing table?

- A. ipconfig
- B. nslookup
- C. netstat
- D. dig

Answer: C

Question: 13

Which of the following is a multifunction device in a SOHO network?

- A. Bandwidth shaper
- B. Proxy server

- C. Wireless router
- D. Load balancer

Answer: C

Question: 14

At which of the following layers does the TFTP protocol operate?

- A. Layer 1
- B. Layer 4
- C. Layer 5
- D. Layer 7

Answer: D

Question: 15

Which of the following is an EGP routing protocol?

- A. IGP
- B. OSPF
- C. BGP
- D. RIP

Answer: C

Question: 16

Which of the following is used by RADIUS to encrypt messages between the server and the client?

- A. Public key
- B. CSU/DSU
- C. Private key
- D. Shared secret

Answer: D

Question: 17

Which of the following is the name of the routing update process involved when a change occurs in the routing environment?

- A. Supernetting
- B. Dynamic
- C. Subletting
- D. Convergence

Answer: D

Question: 18

Which of the following is MOST commonly powered using PoE?

- A. Routers
- B. Switches
- C. Laptops
- D. Access points

Answer: D

Question: 19

Which of the following should an administrator do after running a command from the console on the perimeter router?

- A. Update the configuration logs
- B. Update the network wiring schematics
- C. Update the network configuration procedures
- D. Compare the configuration with the baseline

Answer: A

Question: 20

7

Which of the following features should an administrator configure to allow an IDS to watch the traffic on a switch?

- A. ARP spoofing
- B. VLAN
- C. Mirroring
- D. Spanning tree

Answer: C

Question: 21

Which of the following utilities would be used to display a NIC's cache of MAC addresses?

- A. arp
- B. nslookup
- C. dig
- D. netstat

Answer: A

Question: 22

Which of the following WAN technologies uses a telephone cable?

- A. POTS
- B. FDDI
- C. SONET
- D. Cable modem

Answer: A

Question: 23

Which of the following is an intelligent repeater that is aware of the MAC addresses of the nodes on either side of the data link?

- A. Gateway

- B. Hub
- C. Bridge
- D. Router

Answer: C

Question: 24

Which of the following security devices would MOST likely be used on a network to screen and prevent malicious traffic?

- A. IDS
- B. VPN
- C. NIPS
- D. HIDS

Answer: C

Question: 25

At which of the following layers does the ICMP protocol operate?

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

Answer: B

Question: 26

A user reports sporadic connectivity with their wireless connection. A technician determines the wireless speed reported by the laptop to be 1Mbps. Which of the following is the MOST likely cause of this issue?

- A. The client does not support 802.11n.
- B. Incorrect frequency on the client is being used.

- C. Incorrect encryption on the AP.
- D. The client distance from the AP.

Answer: D

Question: 27

Which of the following are common VPN transports? (Select TWO)

- A. RDP
- B. VNC
- C. SSL
- D. PPTP
- E. RAS

Answer: A,C

Question: 28

Which of the following interfaces is used to connect analog devices to the Internet?

- A. POTS
- B. ATM
- C. VDSL
- D. SDSL

Answer: A

Question: 29

Which of the following would contain information regarding network device alerts using SNMP?

- A. Syslog
- B. Audit log
- C. History log
- D. Ping sweep reports

Answer: A

Question: 30

A network technician arrives to work and discovers users are having a problem connecting the company server. The server operator was working on upgrades the night before. Which of the following documents should the technician use to attempt to discover the problem?

- A. Network maps
- B. Change management
- C. Baselines
- D. Cable management

Answer: B

Question: 31

Which of the following are valid MAC addresses? (Select TWO)

- A. 00-1C-1F-2C-13-43
- B. FFFF.FFFF.FFFF
- C. 00-1B-26-3F-B1-16-34
- D. 00-01-1E-2F-B3-16-01
- E. 001C.1G2F.1234

Answer: A,B

Question: 32

Which of the following tools would an administrator use to determine if a DNS server is answering authoritatively for a domain?

- A. nbtstat
- B. dig
- C. netstat
- D. hostname

Answer: B

Question: 33

Which of the following is a correct IP ACL? (Select TWO)

- A. PERMIT 192.268.20.1
- B. DROP 00-12-34-56-78-9A
- C. DENYO:::0:::0:::3
- D. DENY ANY ANY
- E. PERMIT 192.168 1.100 80

Answer: D,E

Question: 34

Which of the following is an example of a MAC address?

- A. 10.0.10.1
- B. 1A-23-F9-CD-06-9L
- C. 1A-23-F9-CD-06-9B
- D. 1A-23-F9-CD-06-9B-23-5C

Answer: C

Question: 35

Which of the following is a performance optimization technology?

- A. QoS
- B. Trunking
- C. Spanning
- D. VoIP

Answer: A

Question: 36

A technician receives an urgent call that the switch in accounting is down. Which of the following should the technician do FIRST to troubleshoot this issue?

- A. Identify symptoms and problems
- B. Document the process and solutions
- C. Establish the most probable cause
- D. Escalate if necessary.

Answer: A

Question: 37

By default, which of the following ports would a network need to have opened to allow for the transmission of incoming and outgoing email? (Select TWO).

- A. 21
- B. 25
- C. 80
- D. 110
- E. 123

Answer: B,D

Question: 38

A Stateful firewall is MOST useful in protecting against which of the following network scans?

- A. PING
- B. UDP
- C. Xmas
- D. ACK

Answer: C

Question: 39

Which of the following would be BEST to use when identifying HTTP traffic running on TCP port 53?

- A. Network layer firewall
- B. Stateful inspection firewall
- C. Zone aware firewall
- D. Application layer firewall

Answer: D

Question: 40

An administrator is setting up a network and would like to prevent users from having the ability to plug their PC into the network to receive an IP address. Which of the following addressing schemes should the technician use?

- A. NAT
- B. Dynamic
- C. Subnetting
- D. Static

Answer: D

Question: 41

Which of the following features does SNMPv3 have over previous versions when remotely monitoring networking devices? (Select TWO).

- A. Trap receivers
- B. HTTPS
- C. Authentication
- D. Privacy
- E. Availability

Answer: C,D

Question: 42

An administrator only has one public IP address that must be shared among five employees. Which of the following network schemes should be used?

- A. SNAT
- B. SNAP
- C. NAC
- D. MPLS

Answer: A

Question: 43

Several users from the same location are reporting problems accessing the intranet server. An administrator has verified that no other remote areas are having issues connecting to the same server. Which of the following steps should the administrator perform NEXT?

- A. Determine what has changed
- B. Test a solution.
- C. Establish the most probable cause
- D. Escalate the problem to the right section

Answer: A

Question: 44

Which of the following authenticates a web server to the remote client in PKI?

- A. FQDN
- B. DNS name
- C. Public key
- D. Private key

Answer: C

Question: 45

An administrator needs to diagnose problems with a WINS server. Which of the following tools should be used?

- A. nslookup
- B. nbtstat
- C. dig
- D. netstat

Answer: B

Question: 46

Which of the following connector types is used for coax cable?

- A. BNC
- B. ST
- C. LC
- D. SC

Answer: A

Question: 47

In an enterprise setting, access switches providing network connectivity placed throughout a building are typically connected to a backbone called the:

- A. MDF
- B. Proxy
- C. Demarcation point
- D. Smart jack

Answer: A

Question: 48

Which of the following wireless standards has the highest maximum data rate?

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

Answer: A

Question: 49

Which of the following solutions will detect and disable a rogue access point?

- A. Port scan
- B. Packet sniffer
- C. IPS
- D. IDS

Answer: C

Question: 50

A zone transfer occurs over which of the following ports?

- A. TCP 53
- B. UDP67
- C. UDP123
- D. TCP 25

Answer: A

Question: 51

A technician claims to have crimped a patch cable according to the T568A standard on one end and T568B on the other. Which of the following results is to be expected?

- A. Since only half the leads are used, the cable will only work at 100Mbps.

- B. The cable will only work at a maximum of 100Mbps. since 1Gbps only works on T568B cables.
- C. There will be no proper data continuity; the standards utilize two different wiring diagrams.
- D. The cable will only work at a maximum of 10Mbps. since 100/1000Mbps only works on T568B pure cables

Answer: C

Question: 52

An administrator is setting up a security camera that will send the same feed to twelve of the twenty workstations on the network. Which of the following addressing schemes was designed for this scenario?

- A. Multicast
- B. Unicast
- C. Broadcast
- D. Peer-to-peer

Answer: A

Question: 53

Which of the following protocols should be used to monitor network performance?

- A. SNTP
- B. SMTP
- C. HTTP
- D. SNMP

Answer: A

Question: 54

A user receives an email stating that their account was compromised and there is a need to verify account credentials by submitting the correct information on a website. Which of the following security threats is occurring?

- A. Phishing

- B. Smurf attack
- C. Denial of service
- D. Man-in-the-middle

Answer: D

Question: 55

Which of the following protocols requests membership to a multicast group?

- A. IGMP
- B. SNMP
- C. SMTP
- D. ICMP

Answer: A

Question: 56

A standard installation for wireless will use which of the following antenna types?

- A. Sector
- B. Patch
- C. Yagi
- D. Omni-Directional

Answer: D

Question: 57

Which of the following regulates the amount of network traffic a single node receives in a server cluster?

- A. Load balancer
- B. Proxy server
- C. Content filter
- D. Quality of service

Answer: A

Question: 61

Which of the following describes what the number two represents in 100Base2 cabling?

- A. Fiber
- B. Coaxial cable
- C. UTP
- D. Twisted pair

Answer: B

Question: 62

A crossover cable is MOST commonly associated with which of the following layers of the OSI model?

- A. Session
- B. Application
- C. Network
- D. Physical

Answer: D

Question: 63

Hardware locks, keypads on entry doors, badge readers, and biometric readers are all examples of which of the following security types?

- A. Physical
- B. Logical
- C. Software
- D. Authentication

Answer: A

Question: 64

Which of the following has a MAXIMUM distance of 300 meters (984 feet)?

- A. 1000BaseT
- B. 10GBaseSW
- C. 100BaseFX
- D. 100BaseTX

Answer: B

Question: 65

Which of the following documents should always be kept up-to-date after any major changes are made to a network backbone?

- A. Network diagram
- B. Performance baseline
- C. Network security procedure
- D. Company policy

Answer: A

Question: 66

Which of the following is a disadvantage of using the EIGRP protocol?

- A. It does not scale well.
- B. It converges slower than OSPF.
- C. It is a proprietary protocol.
- D. It is a distance vector protocol.

Answer: C

Question: 67

Which of the following routing protocols runs over UDP and determines path based upon distance vectors?

- A. RIP
- B. DSI
- C. BGP
- D. ISIS

Answer: A

Question: 68

Which of the following is equipment provided by the telephone company that provides remote diagnostic and loopback services for subscriber lines?

- A. 66 block
- B. Demarc
- C. Smart jack
- D. 110 block

Answer: C

Question: 69

An administrator is troubleshooting a communication issue between two computers on the same Layer 2 switch. Which of the following is the BEST way to determine if the switch is causing the issue?

- A. Setup an ACL that allows and logs all IP traffic between the two computers
- B. Configure a spanning tree to check for a loop
- C. Setup a span port on the switch to watch for CRC errors
- D. Connect both computers using a crossover cable

Answer: D

Question: 70

Which of the following devices is used to connect multiple devices to a network and does not stop broadcast traffic?

- A. Switch
- B. Hub
- C. Modem
- D. Repeater

Answer: B

Question: 71

Which of the following protocols allow the set up, teardown and streaming of VoIP traffic? (Select TWO)

- A. NTP
- B. VNC
- C. RTP
- D. SIP
- E. TLS

Answer: C,D

Question: 72

Which of the following is a secure method of copying information over a public network?

- A. SCP
- B. SMTP
- C. SNMP
- D. TFTP

Answer: A

Question: 73

An administrator needs to authenticate users to the network, authorize network activities, and account for activities done. Which of the following are services that will BEST meet these goals? (Select TWO).

- A. TACACS+
- B. RADIUS
- C. Kerberos
- D. 802.1X
- E. RRAS

Answer: A,B

Question: 74

An administrator receives reports from users in an office that their 802.11g wireless connectivity has been problematic since the installation of the new wireless phone system. At which of the following frequencies are both systems operating at to cause this issue?

- A. 2.4GHz
- B. 900MHz
- C. 1.1GHz
- D. 5GHz

Answer: D

Question: 75

An administrator suspects that an incorrect POTS line is carrying the DSL signal. Which of the following will help diagnose this issue?

- A. Multimeter
- B. Toner probe
- C. Protocol analyzer
- D. Butt set

Answer: D

Question: 76

An administrator wants to test the network MTU. Which of the following commands allows different size packets to be sent?

- A. netstat
- B. traceroute
- C. nbtstat
- D. ping

Answer: D

Question: 77

Which of the following is used to serve as an emergency backup line to troubleshoot a broadband connection on many routers?

- A. DSL
- B. POTS
- C. VDSL
- D. Smart jack

Answer: B

Question: 78

Which of the following protocols uses UDP to transfer files?

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

Answer: D

Question: 79

Which of the following would be used to connect two IDF's in the same building with the LAN, while minimizing crosstalk?

- A. RG-6
- B. STP
- C. CAT3
- D. UTP

Answer: B

Question: 80

Which of the following network devices would MOST likely be installed to allow the company's single public IP to be shared and translated into local IPs for network devices?

- A. Router
- B. Hub
- C. WAP
- D. Switch

Answer: A

Question: 81

A technician who separated two departments using VLANs now discovers that the VLANs cannot communicate with each other. Which of the following does the technician need to enable communication between the VLANs?

- A. Port spanning
- B. VLAN concentrator
- C. Firewall
- D. Router

Answer: D

Question: 82

Which of the following network topologies BEST describes a VPN? (Select TWO)

- A. Point to Point
- B. Point to Multipoint
- C. VLAN
- D. Ring
- E. Bus

Answer: A,B

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