Vendor: CompTIA

Exam Code: N10-007

Exam Name: CompTIA Network+ N10-007

Version: Demo

QUESTION 1
Users are reporting their network is extremely slow. The technician discovers pings to external host have excessive response times. However, internal pings to printers and other PCs have acceptable response times. Which of the following steps should the technician take NEXT?

A. Determine if any network equipment was replaced recently
B. Verify malware has not disabled the users' PC firewalls
C. Replace users' network cables with known-good network cables
D. Power cycle the web server

Correct Answer: A

QUESTION 2
A penetration tester has been tasked with reconnaissance to determine which ports are open on the network. Which of the following tasks should be done FIRST? (Choose two.)

A. Network scan
B. Banner grab
C. TracertD. DHCP server check
D. Brute-force attack

Correct Answer: AC

QUESTION 3
A network technician is assisting the security team with some traffic captures. The security team wants to capture all traffic on a single subnet between the router and the core switch. To do so, the team must ensure there is only a single collision and broadcast domain between the router and the switch from which they will collect traffic. Which of the following should the technician install to BEST meet the goal?

A. Bridge
B. Crossover cable
C. Hub
D. Media converter

Correct Answer: C

QUESTION 4
A network administrator is setting up a web-based application that needs to be continually accessible to the end users. Which of the following concepts would BEST ensure this requirement?

A. High availability
B. Snapshots
C. NIC teaming
D. Cold site

Correct Answer: A

QUESTION 5
A user reports difficulties connecting a PC to a wired network. The PC connects to an IP phone, which is working correctly. A network technician can verify that other devices successfully connect to the phone. At which of the following layers of the OSI model is the problem MOST likely located?

A. Network
B. Physical
C. Transport
D. Application

Correct Answer: A

QUESTION 6
A building is equipped with light sensors that turn off the fluorescent lights when natural light is above acertain brightness. Users report experiencing network connection issues only during certain hours. The west side of the building experiences connectivity issues in the morning hours and the east side near the end of the day. At night the connectivity issues affect the entire building. Which of the following could be the cause of theconnectivity issues?

A. Light sensors are interfering with the network
B. EMI from the lights is interfering with the network cables
C. Network wiring is run perpendicular to electrical conduit
D. Temperature changes are causing attenuation in copper cabling

Correct Answer: C

QUESTION 7
Which of the following communication media can carry many voice, data, and video channels simultaneously over multiple frequencies?

A. Broadband
B. Baseband
C. Analog modem
D. CSMA

Correct Answer: A

QUESTION 8
A company has contracted with an outside vendor to perform a service that will provide hardware, software, and procedures in case of a catastrophic failure of the primary datacenter. The Chief Information Officer (CIO) is concerned because this contract does not include a long-term strategy for extended outages. Which of the following should the CIO complete?

A. Disaster recovery plan
B. Business continuity plan
C. Service level agreement
D. First responder training

Correct Answer: B

QUESTION 9
A company has completed construction of a new datacenter, and the IT staff is now planning to relocate all server and network equipment from the old site to the new site. Which of the following should the IT staff reference to determine the location of the equipment being moved?

A. Rack diagrams
B. Network topology
C. Standard operating procedures
D. Wiring documentation

Correct Answer: A

QUESTION 10
A network technician is configuring a firewall access list to secure incoming connections to an email server. The internal address of this email server is 192.168.1.143. The firewall should allow external email servers to send email to the email server. The email server also supports client access via a web browser. Only secure protocols should be used, and only the necessary ports should be open. Which of the following ACL rules should be configured in the firewall's WAN port? (Choose two.)

A. Permit 192.168.1.143.25
B. Permit 192.168.1.143.80
C. Permit 192.168.1.143.110
D. Permit 192.168.1.143.143
E. Permit 192.168.1.143.443
F. Permit 192.168.1.143.587

Correct Answer: EF

QUESTION 11
A network technician has discovered a rogue access point placed under an empty cubicle desk. Witch of the following should the technician partners ensure another cannot be placed on the network?

A. Disable unused ports on switches.
B. Enable DHCP guard to detect rogue servers.
C. Configure WPA2 on all access points.
D. Use TACACS+ authentication.

Correct Answer: B

QUESTION 12
A technician is planning a remote-access strategy to manage routers and switches on a dedicated management network. The management network is segregated from the production network and uses site-to-site VPN connections. Some of the equipment does not support encryption, Witch of the following should the technician choose that all the equipment would support?

A. Telnet
B. SSL

C. SSH
D. IPSec

Correct Answer: A

QUESTION 13
Which of the following is the correct port number for NTP?

A. 25
B. 69
C. 123
D. 161

Correct Answer: C

QUESTION 14
An employee wishes to use a personal cell phone for work-related purposes, including storage of sensitive company data, during long business trips. Which of the following is needed to protect BOTH the employee and the company?

A. An NDA ensuring work data stored on the personal phone remains confidential
B. An AUP covering how a personal phone may be used for work matters
C. A consent to monitoring policy covering company audits of the personal phone
D. Real-time remote monitoring of the phone's activity and usage

Correct Answer: D

QUESTION 15
Which of the following should current network performance be compared against to determine networks memories?

A. Baseline
B. Traffic analysis
C. Packet capture
D. Logs

Correct Answer: A

QUESTION 16
A network administrator is testing connectivity at a new corporate site. The site has a wireless guest as well as a wired employee network. After verifying connectivity, the administrator checks link speeds by using a speed testing website. The speed testing website shows lower download and upload speeds for the wired network than the wireless network. Which of the following is the MOST likely explanation?

A. There is less local congestion on the wireless network
B. The testing server for the wired network was farther away
C. The firewall is configured to throttle traffic to specific websites
D. The wireless access points were misconfigured

Correct Answer: B

QUESTION 17
Which of the following is a system of notation that uses base 16 rather than base 10?

A. Hex
B. Octal
C. Binary
D. CIDR

Correct Answer: A

QUESTION 18
A user checks an IP address using an external website. The address is different than the one the user sees when opening a command prompt and typing in ipconfig/all. The user does not understand why the two tools show different IP addresses. This is BEST explained by the interworking of:

A. network devices
B. packet flow
C. public/private networks
D. traffic-routing protocols

Correct Answer: C

QUESTION 19
A network technician is diagnosing a time-out issue generated from an end user's web browser. The web browser issues standard HTTP get and post commands to interact with the website. Given this information, the technician would like to analyze the entire TCP handshake of the HTTP requests offline. Which of the following tools would allow the technician to view the handshake?

A. Packet analyzer
B. Port analyzer
C. SNMP traps
D. Spectrum analyzer

Correct Answer: A

QUESTION 20
Ann, a network technician, has just installed a fiber switch in a datacenter. To run the fiber cabling, Ann plans the cable route over the top of the rack using the cable trays, down to the switch, coiling up any excess cable. As Ann configures the switch, she notices several messages in the logging buffer stating the receive signal of the SFP is too weak. Which of the following is MOST likely the cause of the errors in the logging buffer?

A. Bend radius exceeded
B. Fiber cable mismatch

C. Fiber type mismatch
D. Bad fiber switch

Correct Answer: A

QUESTION 21
Which of the following MUST be implemented to share metrics between routing protocols within the same router?

A. Routing loop
B. Routing table
C. Route redistribution
D. Dynamic routes

Correct Answer: B

QUESTION 22
In a service provider network, a company has an existing IP address scheme. Company A's network currently uses the following scheme:

```
Subnet 1: 192.168.1.0/26
Subnet 2: 192.168.1.65/26
```

Company b uses the following scheme:

Subnet 1: 192.168.1.50/28

The network administrator cannot force the customer to update its IP scheme. Considering this, which of the following is the BEST way for the company to connect these networks?

A. DMZ
B. PAT
C. NAT
D. VLAN

Correct Answer: C

QUESTION 23
A technician is installing a new wireless badging system on a hospital network. The requirements of the badging system are for it to have its own SSID and low power levels. The badging system has to cover 99.9% of the hospital. Which of the following is the BEST action to take to meet the system requirements?

A. Install additional WAPs
B. Install external antennas
C. Move the WAPs closer to the more populated area
D. Change the antenna types

Correct Answer: A