CompTIA

Exam Questions N10-006

CompTIA Network+
NEW QUESTION 1
- (Topic 2)
A technician has finished configuring AAA on a new network device. However, the technician is unable to log into the device with LDAP credentials but is able to do so with a local user account. Which of the following is the MOST likely reason for the problem?

A. Username is misspelled in the device configuration file
B. IDS is blocking RADIUS
C. Shared secret key is mismatched
D. Group policy has not propagated to the device

Answer: C

Explanation:
AAA through RADIUS uses a Server Secret Key (a shared secret key). A secret key mismatch could cause login problems.

Authentication, authorization, and accounting (AAA) allows a network to have a single repository of user credentials. A network administrator can then, for example, supply the same credentials to log in to various network devices (for example, routers and switches). RADIUS and TACACS+ are protocols commonly used to communicate with an AAA server.

NEW QUESTION 2
- (Topic 6)
Lisa, a consultant, is inspecting an office that reports frequent wireless issues. Upon scanning the network broadcasting in the vicinity of the office, seven SSIDs are found. The company's Wi-Fi network and three others all share channel six. Which of the following is MOST likely causing the issue?

A. Frequency interference
B. Low signal strength
C. Standard mismatch
D. Incorrect channel

Answer: A

NEW QUESTION 3
- (Topic 6)
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. 802.1q

Answer: C

NEW QUESTION 4
- (Topic 6)
Which of the following tools can the technician use to analyze TCP/IP packets when trying to determine a connection problem within a subnet?

A. Wire mapper
B. Protocol analyzer
C. Cable tester
D. SYSLOG server

Answer: B

NEW QUESTION 5
- (Topic 6)
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

NEW QUESTION 6
- (Topic 6)
Which of the following subnet masks would allow for 192.168.0.3 and 192.168.0.240 to be in the same subnet?

A. 255.255.255.0
B. 255.255.255.128
C. 255.255.255.192
D. 255.255.255.248

Answer: A
NEW QUESTION 7
- (Topic 6)
Which of the following ports should be allowed to provide access to certain VoIP applications?

A. 110  
B. 139  
C. 1720  
D. 5060

Answer: D

NEW QUESTION 8
- (Topic 6)
When querying a DNS server for an AAAA record, which of the following is an appropriate response?

A. 192.168.2.1  
B. 00:13:82:99:a2:b8  
C. 61.23.18.92.in-addr.arpa  

Answer: D

NEW QUESTION 9
- (Topic 6)
An organization recently installed a firewall on the network. Employees must have access to their work computer from their home computer. In which of the following ways should the firewall be configured?

A. Allow TCP port 3389 outbound  
B. Allow UDP port 3389 inbound  
C. Allow UDP port 3389 outbound  
D. Allow TCP port 3389 inbound

Answer: D

NEW QUESTION 10
- (Topic 6)
Which of the following problems is MOST likely to arise when configuring an IPv6 over IPv4 tunnel?

A. Routing loop  
B. MTU black hole  
C. Framing errors  
D. SYN flood

Answer: B

NEW QUESTION 11
- (Topic 6)
A user is unable to connect to a server in another building. A technician is troubleshooting the issue and determines the following:
1) Client PC 1 has an IP address of 192.168.10.25/25  
2) PC 1 can successfully ping its gateway of 192.168.10.1/25 which is an interface of router A  
3) Server A is named "BLDGBFILESRVR01" and has an IP address of 192.168.10.145/25  
4) PC 2 with an IP address of 192.168.10.200/25 can successfully ping server A However, when PC 1 pings server A, it receives a destination host unreachable responds.  

Which of the following is the MOST likely cause?

A. Link from router A to PC 1 are on different subnets  
B. Link from router A to server A is down  
C. Link from PC 1 to router A has duplex issues  
D. Link from server A top PC 2 is down

Answer: A

NEW QUESTION 12
- (Topic 6)
After upgrading a fiber link from 1Gbps, 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. CM4 fiber should be used instead  
D. There is heat from the boiler room

Answer: A

Explanation:
NEW QUESTION 13  
- (Topic 6)  
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 enabled

Answer: D

NEW QUESTION 14  
- (Topic 6)  
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 service  
E. msc

Answer: A

NEW QUESTION 15  
- (Topic 6)  
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

NEW QUESTION 16  
- (Topic 6)  
In the past, a company has experienced several network breaches as a result of end-user actions. To help mitigate future breaches, which of the following documents should the security team ensure are up-to-date and enforced for all employees? (Select TWO)

A. Memorandum of understanding  
B. Data classification document  
C. Service level agreement  
D. Interconnection security agreement  
E. Consent to monitor  
F. Acceptable use policy

Answer: AF

NEW QUESTION 17  
- (Topic 6)  
An administrator is receiving reports from an executive that the executive's wireless access point loses the signal frequently, even though the WAP is on the executive's desk. The office contains four other 802.11n access points. Which of the following would MOST likely correct interference problems in the executive's office?

A. Turn off SSID broadcasting for the executive's access point  
B. Replace the 802.11n access point in the office with an 802.11a access point.
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C. Change the channel on the access point to channel 11.
D. Turn off as many lights in the executive's office as possible to reduce interference.

Answer: C

NEW QUESTION 18
- (Topic 6)
Which of the following layers of the OSI model is between the Data Link and Transport layers?

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

Answer: C

NEW QUESTION 19
- (Topic 6)
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

NEW QUESTION 20
- (Topic 6)
An area to which access is controlled by retina scan is protected by which of the following security measure types?

A. Two-factor authentication
B. Biometric
C. Cipher locks
D. Optical reader
E. Proximity reader

Answer: B

NEW QUESTION 21
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