Correct Answer: C

QUESTION 55
Which of the following factors should be considered when evaluating a firewall to protect a datacenter's east-west traffic?

A.   Replication traffic between an on-premises server and a remote backup facility
B.   Traffic between VMs running on different hosts
C.   Concurrent connections generated by Internet DDoS attacks
D.   VPN traffic from remote offices to the datacenter's VMs

Correct Answer: A

QUESTION 56
A client moving into a new office wants the IP network set up to accommodate 412 network-connected devices that are all on the same subnet. The subnet needs to be as small as possible. Which of the following subnet masks should be used to achieve the required result?

A.   255.255.0.0
B.   255.255.252.0
C.   255.255.254.0
D.   255.255.255.0

Correct Answer: C

QUESTION 57
An IDS was installed behind the edge firewall after a network was breached. The network was then breached again even though the IDS logged the attack. Which of the following should be used in place of these devices to prevent future attacks?

A.   A network tap
B.   A proxy server
C.   A UTM appliance
D.   A content filter

Correct Answer: C

QUESTION 58
A technician is installing a new fiber connection to a network device in a datacenter. The connection from the device to the switch also traverses a patch panel connection. The chain of connections is in the following order:

▪ Device
▪ LC/LC patch cable
▪ Patch panel
▪ Cross-connect fiber cable
▪ Patch panel
▪ LC/LC patch cable
▪ Switch

The connection is not working. The technician has changed both patch cables with known working patch cables. The device had been tested and was working properly before being installed. Which of the following is the MOST likely cause of the issue?

A. TX/RX is reversed
B. An incorrect cable was used
C. The device failed during installation
D. Attenuation is occurring

Correct Answer: A

QUESTION 59
A network administrator is configuring a database server and would like to ensure the database engine is listening on a certain port. Which of the following commands should the administrator use to accomplish this goal?

A. nslookup
B. netstat -a
C. ipconfig /a
D. arp -a

Correct Answer: B

QUESTION 60
A network administrator needs to query the NSs for a remote application. Which of the following commands would BEST help the administrator accomplish this task?

A. dig
B. arp
C. show interface
D. hostname

Correct Answer: A

QUESTION 61
A branch of a company recently switched to a new ISP. The network engineer was given a new IP range to assign. The ISP assigned 196.26.4.0/26, and the branch gateway router now has the following configurations on the interface that peers to the ISP:

```
IP address:        196.26.4.30
Subnet mask:       255.255.255.224
Gateway:           196.24.4.1
```

The network engineer observes that all users have lost Internet connectivity. Which of the following describes the issue?

A. The incorrect subnet mask was configured
B. The incorrect gateway was configured
C. The incorrect IP address was configured
D. The incorrect interface was configured

Correct Answer: A

QUESTION 62
A network administrator decided to use SLAAC in an extensive IPv6 deployment to alleviate IP address management. The devices were properly connected into the LAN but autoconfiguration of the IP address did not occur as expected. Which of the following should the network administrator verify?

A. The network gateway is configured to send router advertisements.
B. A DHCP server is present on the same broadcast domain as the clients.
C. The devices support dual stack on the network layer.
D. The local gateway supports anycast routing.

Correct Answer: A

QUESTION 63
An IT technician suspects a break in one of the uplinks that provides connectivity to the core switch. Which of the following command-line tools should the technician use to determine where the incident is occurring?

A. nslookup
B. show config
C. netstat
D. show interface
E. show counters

Correct Answer: D

QUESTION 64
A network administrator has been directed to present the network alerts from the past week to the company's executive staff. Which of the following will provide the BEST collection and presentation of this data?

A. A port scan printout
B. A consolidated report of various network devices
C. A report from the SIEM tool
D. A report from a vulnerability scan done yesterday

Correct Answer: C

QUESTION 65
A network administrator discovers that users in an adjacent building are connecting to the

company's guest wireless network to download inappropriate material. Which of the following can the administrator do to MOST easily mitigate this issue?

A. Reduce the wireless power levels
B. Adjust the wireless channels
C. Enable wireless client isolation
D. Enable wireless port security

Correct Answer: A

QUESTION 66
A small, family-run business uses a single SOHO router to provide Internet and WiFi to its employees At the start of a new week, employees come in and find their usual WiFi network is no longer available, and there is a new wireless network to which they cannot connect. Given that information, which of the following should have been done to avoid this situation'

A. The device firmware should have been kept current.
B. Unsecure protocols should have been disabled.
C. Parental controls should have been enabled
D. The default credentials should have been changed

Correct Answer: A

QUESTION 67
A network administrator is reviewing interface errors on a switch. Which of the following indicates that a switchport is receiving packets in excess of the configured MTU?

A. CRC errors
B. Giants
C. Runts
D. Flooding

Correct Answer: B

QUESTION 68
A network technician is installing new software on a Windows-based server in a different geographical location. Which of the following would be BEST for the technician to use to perform this task?

A. RDP
B. SSH
C. FTP
D. DNS

Correct Answer: D

QUESTION 69
A packet is assigned a value to ensure it does not traverse a network indefinitely. Which of the following BEST represents this value?

A. Zero Trust
B. Planned obsolescence

C. Time to live
D. Caching

Correct Answer: C

QUESTION 70
A network engineer is investigating reports of poor network performance. Upon reviewing a report, the engineer finds that jitter at the office is greater than 10ms on the only WAN connection available. Which of the following would be MOST affected by this statistic?

A. A VoIP sales call with a customer
B. An in-office video call with a coworker
C. Routing table from the ISP
D. Firewall CPU processing time

Correct Answer: A

QUESTION 71
A technician is troubleshooting a network switch that seems to stop responding to requests intermittently whenever the logging level is set for debugging. Which of the following metrics should the technician check to begin troubleshooting the issue?

A. Audit logs
B. CPU utilization
C. CRC errors
D. Jitter

Correct Answer: B

QUESTION 72
Client devices cannot enter a network, and the network administrator determines the DHCP scope is exhausted. The administrator wants to avoid creating a new DHCP pool. Which of the following can the administrator perform to resolve the issue?

A. Install load balancers
B. Install more switches
C. Decrease the number of VLANs
D. Reduce the lease time

Correct Answer: D

QUESTION 73
Given the following output:

```
192.168.22.1     00-13-5d-00-c6-23
192.168.22.15    00-15-88-00-58-00
192.168.22.10    00-13-5d-00-c6-23
192.168.22.100   00-13-5d-00-c6-23
```