added to the network and transmits data. Which of the following BEST describes how the switch processes this information?

A. The data is flooded out of every port. including the one on which it came in.
B. The data is flooded out of every port but only in the VLAN where it is located.
C. The data is flooded out of every port, except the one on which it came in
D. The data is flooded out of every port, excluding the VLAN where it is located

Correct Answer: C

QUESTION 36
A network administrator is configuring a load balancer for two systems. Which of the following must the administrator configure to ensure connectivity during a failover?

A. VIP
B. NAT
C. APIPA
D. IPv6 tunneling
E. Broadcast IP

Correct Answer: A

QUESTION 37
Which of the following would be BEST to use to detect a MAC spoofing attack?

A. Internet Control Message Protocol
B. Reverse Address Resolution Protocol
C. Dynamic Host Configuration Protocol
D. Internet Message Access Protocol

Correct Answer: B

QUESTION 38
A network engineer is investigating reports of poor network performance. Upon reviewing a device configuration, the engineer finds that duplex settings are mismatched on both ends. Which of the following would be the MOST likely result of this finding?

A. Increased CRC errors
B. Increased giants and runts
C. Increased switching loops
D. Increased device temperature

Correct Answer: A

QUESTION 39
Which of the following attacks encrypts user data and requires a proper backup implementation to recover?

A. DDoS
B. Phishing
C. Ransomware
D. MAC spoofing

Correct Answer: C

QUESTION 40
A company that uses VoIP telephones is experiencing intermittent issues with one-way audio and dropped conversations. The manufacturer says the system will work if ping times are less than 50ms. The company has recorded the following ping times:

| 10ms | 10ms | 10ms | 100ms | 70ms | 5ms | 5ms | 80ms | 100ms | 5ms | 5ms |

Which of the following is MOST likely causing the issue?

A. Attenuation
B. Latency
C. VLAN mismatch
D. Jitter

Correct Answer: A

QUESTION 41
Which of the following can be used to centrally manage credentials for various types of administrative privileges on configured network devices?

A. SSO
B. TACACS+
C. Zero Trust
D. Separation of duties
E. Multifactor authentication

Correct Answer: B
QUESTION 42
A network engineer performs the following tasks to increase server bandwidth:

▪ Connects two network cables from the server to a switch stack
▪ Configure LACP on the switchports
▪ Verifies the correct configurations on the switch interfaces

Which of the following needs to be configured on the server?

A. Load balancing
B. Multipathing
C. NIC teaming
D. Clustering

Correct Answer: C

QUESTION 43
A user reports being unable to access network resources after making some changes in the

office. Which of the following should a network technician do FIRST?

A. Check the system's IP address
B. Do a ping test against the servers
C. Reseat the cables into the back of the PC
D. Ask what changes were made

Correct Answer: D

QUESTION 44
Which of the following ports are associated with IMAP? (Choose two.)

A. 25
B. 110
C. 143
D. 587
E. 993
F. 995

Correct Answer: CE

QUESTION 45
Access to a datacenter should be individually recorded by a card reader even when multiple employees enter the facility at the same time. Which of the following allows the enforcement of this policy?

A. Motion detection
B. Access control vestibules
C. Smart lockers
D. Cameras

Correct Answer: B

QUESTION 46
A network technician is reviewing the interface counters on a router interface. The technician is attempting to confirm a cable issue. Given the following information:

Metric	Value
Last cleared	7 minutes, 34 seconds
# of packets output	6915
# of packets input	270
CRCs	183
Giants	0
Runts	0
Multicasts	14

Which of the following metrics confirms there is a cabling issue?

A. Last cleared
B. Number of packets output
C. CRCs
D. Giants
E. Multicasts

Correct Answer: C

QUESTION 47
A network technician was troubleshooting an issue for a user who was being directed to cloned websites that were stealing credentials. The URLs were correct for the websites but an incorrect IP address was revealed when the technician used ping on the user's PC After checking the is setting, the technician found the DNS server address was incorrect Which of the following describes the issue?

A. Rogue DHCP server
B. Misconfigured HSRP
C. DNS poisoning
D. Exhausted IP scope

Correct Answer: D

QUESTION 48
Which of the following would need to be configured to ensure a device with a specific MAC address is always assigned the same IP address from DHCP?

A. Scope options
B. Reservation
C. Dynamic assignment
D. Exclusion
E. Static assignment
Correct Answer: B

QUESTION 49
A technician is deploying a new switch model and would like to add it to the existing network monitoring software. The technician wants to know what metrics can be gathered from a given switch. Which of the following should the technician utilize for the switch?

A. MIB
B. Trap
C. Syslog
D. Audit log

Correct Answer: A

QUESTION 50
Which of the following routing protocols is used to exchange route information between public autonomous systems?

A. OSPF
B. BGP

C.   EGRIP
D.   RIP

Correct Answer: B

QUESTION 51
An engineer notices some late collisions on a half-duplex link. The engineer verifies that the devices on both ends of the connection are configured for half duplex. Which of the following is the MOST likely cause of this issue?

A.   The link is improperly terminated
B.   One of the devices is misconfigured
C.   The cable length is excessive
D.   One of the devices has a hardware issue

Correct Answer: C

QUESTION 52
A network administrator is trying to identify a device that is having issues connecting to a switchport. Which of the following would BEST help identify the issue?

A.   A syslog server
B.   Change management records
C.   A rack diagram
D.   The security log

Correct Answer: A

QUESTION 53
Users attending security training at work are advised not to use single words as passwords for corporate applications. Which of the following does this BEST protect against?

A.   An on-path attack
B.   A brute-force attack
C.   A dictionary attack
D.   MAC spoofing
E.   Denial of service

Correct Answer: C

QUESTION 54
A network administrator is required to ensure that auditors have read-only access to the system logs, while systems administrators have read and write access to the system logs, and operators have no access to the system logs. The network administrator has configured security groups for each of these functional categories. Which of the following security capabilities will allow the network administrator to maintain these permissions with the LEAST administrative effort?

A.   Mandatory access control
B.   User-based permissions
C.   Role-based access
D.   Least privilege