QUESTION 304
A user reports that a new VoIP phone works properly but the computer that is connected to the phone cannot access any network resources. Which of the following MOST Likely needs to be configured correctly to provide network connectivity to the computer?

A. Port duplex settings
B. Port aggregation
C. ARP settings
D. VLAN tags
E. MDIX settings

Answer: A

QUESTION 305
A technician is consolidating a topology with multiple SSIDs into one unique SSID deployment. Which of the following features will be possible after this new configuration?

A. Seamless roaming
B. Basic service set
C. WPA
D. MU-MIMO

Answer: A

QUESTION 306
Which of the following is the MOST cost-effective alternative that provides proper cabling and supports gigabit Ethernet devices?

A. Twisted cable with a minimum Cat 5e certification
B. Multimode fiber with an SC connector
C. Twinaxial cabling using an F-type connector
D. Cable termination using TIA/EIA-568-B

Answer: B

QUESTION 307
A new company recently moved into an empty office space Within days, users in the next office began noticing increased latency and packet drops with their Wi-Fi-connected devices.
Which of the following is the MOST likely reason for this issue?

A. Channel overlap
B. Distance from the AP
C. Bandwidth latency
D. RF attenuation
E. Network congestion

Answer: A

QUESTION 308
A network administrator is given the network 80.87.78.0/26 for specific device assignments. Which of the following describes this network?

A. 80.87.78 0 - 80.87.78.14
B. 80.87.78 0 - 80.87.78.110
C. 80.87.78 1 - 80.87.78.62
D. 80.87.78.1 - 80.87.78.158

Answer: C

QUESTION 309
A network technician is performing tests on a potentially faulty network card that is installed in a server. Which of the following addresses will MOST likely be used during traffic diagnostic tests?

A. 10.10.10.10
B. 127.0.0.1
C. 192.168.0.1
D. 255.255.255.0

Answer: A

QUESTION 310
Which of the following provides guidance to an employee about restricting non-business access to the company's videoconferencing solution?

A. Acceptable use policy
B. Data loss prevention
C. Remote access policy
D. Standard operating procedure

Answer: A

QUESTION 311
An employee working in a warehouse facility is experiencing interruptions in mobile applications while walking around the facility. According to a recent site survey, the WLAN comprises autonomous APs that are directly connected to the internet, providing adequate signal coverage. Which of the following is the BEST solution to improve network stability?

A. Implement client roaming using an extended service deployment employing a wireless controller.
B. Remove omnidirectional antennas and adopt a directional bridge.
C. Ensure all APs of the warehouse support MIMO and Wi-Fi 4.
D. Verify that the level of EIRP power settings is set to the maximum permitted by regulations.

Answer: A

QUESTION 312
Which of the following can be used to decrease latency during periods of high utilization of a firewall?

A. Hot site
B. NIC teaming
C. HA pair
D. VRRP

Answer: A

QUESTION 313
A company's web server is hosted at a local ISP. This is an example of:

A. allocation.
B. an on-premises data center.
C. a branch office.
D. a cloud provider.

Answer: D

QUESTION 314
An engineer is gathering data to determine the effectiveness of UPSs in use at remote retail locations. Which of the following statistics can the engineer use to determine the availability of the remote network equipment?

A. Uptime
B. NetFlow baseline
C. SNMP traps
D. Interface statistics

Answer: A

QUESTION 315
A network technician is planning a network scope. The web server needs to be within 12.31 69.1 to 12.31.69.29. Which of the following would meet this requirement?

A. Lease time
B. Range reservation
C. DNS
D. Superscope

Answer: A

QUESTION 316
Which of the following would be used when connecting devices that have different physical characteristics?

A. A proxy server
B. An industrial control system
C. A load balancer
D. A media converter

Answer: D

QUESTION 317
A network technician receives a report about a performance issue on a client PC that is connected to port 1/3 on a network switch. The technician observes the following configuration output from the switch:

1/1	Client PC	Connected	Full	1000
1/2	Client PC	Connected	Full	1000
1/3	Client PC	Connected	Full	10

Which of the following is a cause of the issue on port 1/3?

A. Speed
B. Duplex
C. Errors
D. VLAN

Answer: A

QUESTION 318
Which of the following must be functioning properly in order for a network administrator to create an accurate timeline during a troubleshooting process?

A. NTP
B. IP helper
C. Syslog
D. MySQL

Answer: A

QUESTION 319
Which of the following issues are present with RIPv2? (Select TWO).

A. Route poisoning
B. Time to converge
C. Scalability
D. Unicast
E. Adjacent neighbors
F. Maximum transmission unit

Answer: AE

QUESTION 320
Which of the following is considered a physical security detection device?

A. Cameras
B. Biometric readers
C. Access control vestibules
D. Locking racks

Answer: A

QUESTION 321
A network administrator is trying to add network redundancy for the server farm. Which of the following can the network administrator configure to BEST provide this capability?

A. VRRP
B. DNS
C. UPS

D. RPO

Answer: A

QUESTION 322
The power company notifies a network administrator that it will be turning off the power to the building over the weekend.
Which of the following is the BEST solution to prevent the servers from going down?

A. Redundant power supplies
B. Uninterruptible power supply
C. Generator
D. Power distribution unit

Answer: A

QUESTION 323
A network engineer needs to reduce the overhead of file transfers. Which of the following configuration changes would accomplish that goal?

A. Link aggregation
B. Jumbo frames
C. Port security
D. Flow control
E. Lower FTP port

Answer: A

QUESTION 324
A technician is monitoring a network interface and notices the device is dropping packets. The cable and interfaces, however, are in working order.
Which of the following is MOST likely the cause?

A. OID duplication
B. MIB mismatch
C. CPU usage
D. Encapsulation errors

Answer: D

QUESTION 325
A security engineer is trying to determine whether an internal server was accessed by hosts on the internet. The internal server was shut down during the investigation.
Which of the following will the engineer review to determine whether the internal server had an unauthorized access attempt?

A. The server's syslog
B. The NetFlow statistics
C. The firewall logs
D. The audit logs on the core switch

Answer: A

QUESTION 326
Which of the following types of attacks can be used to gain credentials by setting up rogue APs with identical corporate

SSIDs?

A. VLAN hopping
B. Evil twin
C. DNS poisoning
D. Social engineering

Answer: B

QUESTION 327
A company joins a bank's financial network and establishes a connection to the clearinghouse servers in the range 192 168.124.0/27. An IT technician then realizes the range exists within the VM pool at the data center. Which of the following is the BEST way for the technician to connect to the bank's servers?

A. NAT
B. PAT
C. CIDR
D. SLAAC

Answer: A

QUESTION 328
A user in a branch office reports that access to all files has been lost after receiving a new PC. All other users in the branch can access fileshares. The IT engineer who is troubleshooting this incident is able to ping the workstation from the branch router, but the machine cannot ping the router. Which of the following is MOST likely the cause of the incident?

A. Incorrect subnet mask
B. Incorrect DNS server
C. Incorrect IP class
D. Incorrect TCP port

Answer: A

QUESTION 329
A network administrator would like to purchase a device that provides access ports to endpoints and has the ability to route between networks. Which of the following would be BEST for the administrator to purchase?

A. An IPS
B. A Layer 3 switch
C. A router
D. A wireless LAN controller

Answer: B

QUESTION 330
Which of the following would be used to forward requests and replies between a DHCP server and client?

A. Relay
B. Lease
C. Scope
D. Range

Answer: A

QUESTION 331
At which of the following OSI model layers does routing occur?

A. Data link
B. Transport
C. Physical
D. Network

Answer: D

QUESTION 332
A network technician has determined the cause of a network disruption. Which of the following is the NEXT step for the technician to perform?

A. Validate the findings in a top-to-bottom approach
B. Duplicate the issue, if possible
C. Establish a plan of action to resolve the issue
D. Document the findings and actions

Answer: C

QUESTION 333
A company streams video to multiple devices across a campus. When this happens, several users report a degradation of network performance. Which of the following would MOST likely address this issue?

A. Enable IGMP snooping on the switches.
B. Implement another DHCP server.
C. Reconfigure port tagging for the video traffic.
D. Change the SSID of the APs

Answer: A

QUESTION 334
Which of the following can be used to store various types of devices and provide contactless delivery to users?

A. Asset tags
B. Biometrics
C. Access control vestibules
D. Smart lockers

Answer: C

QUESTION 335
Which of the following connectors and terminations are required to make a Cat 6 cable that connects from a PC to a non-capable MDIX switch? (Select TWO).

A. T1A-568-A - TIA-568-B
B. TIA-568-B - TIA-568-B
C. RJ11
D. RJ45
E. F-type

Answer: AD

QUESTION 336

Users are reporting intermittent Wi-Fi connectivity in specific parts of a building.
Which of the following should the network administrator check FIRST when troubleshooting this issue? (Select TWO).

A. Site survey
B. EIRP
C. AP placement
D. Captive portal
E. SSID assignment
F. AP association time

Answer: AC

QUESTION 337
A network manager is configuring switches in IDFs to ensure unauthorized client computers are not connecting to a secure wired network. Which of the following is the network manager MOST likely performing?

A. Disabling unneeded switchports
B. Changing the default VLAN
C. Configuring DHCP snooping
D. Writing ACLs to prevent access to the switch

Answer: C

QUESTION 338
Which of the following OSI model layers is where a technician would view UDP information?

A. Physical
B. Data link
C. Network
D. Transport

Answer: D

QUESTION 339
A technician installed an 8-port switch in a user's office. The user needs to add a second computer in the office, so the technician connects both PCs to the switch and connects the switch to the wall jack. However, the new PC cannot connect to network resources. The technician then observes the following:
- The new computer does not get an IP address on the client's VLAN.
- Both computers have a link light on their NICs.
- The new PC appears to be operating normally except for the network issue.
- The existing computer operates normally.
Which of the following should the technician do NEXT to address the situation?

A. Contact the network team to resolve the port security issue.
B. Contact the server team to have a record created in DNS for the new PC.
C. Contact the security team to review the logs on the company's SIEM.
D. Contact the application team to check NetFlow data from the connected switch.

Answer: A

QUESTION 340
Which of the following devices have the capability to allow communication between two different subnetworks? (Select TWO).

A. IDS

B. Access point
C. Layer 2 switch
D. Layer 3 switch
E. Router
F. Media converter

Answer: DE

QUESTION 341
Which of the following describes traffic going in and out of a data center from the internet?

A. Demarcation point
B. North-South
C. Fibre Channel
D. Spine and leaf

Answer: B

QUESTION 342
A network is experiencing extreme latency when accessing a particular website. Which of the following commands will BEST help identify the issue?

A. ipconfig
B. netstat
C. tracert
D. ping

Answer: C

QUESTION 343
A network engineer is investigating reports of poor network performance. Upon reviewing a report, the engineer finds hundreds of CRC errors on an interface. Which of the following is the MOST likely cause of these errors?

A. A bad wire on the Cat 5e cable
B. The wrong VLAN assignment to the switchport
C. A misconfigured QoS setting on the router
D. Both sides of the switch trunk set to full duplex

Answer: A

QUESTION 344
A company wants to set up a backup data center that can become active during a disaster. The site needs to contain network equipment and connectivity. Which of the following strategies should the company employ?

A. Active-active
B. Warm
C. Cold
D. Cloud

Answer: B

QUESTION 345
A small office has a wireless network with several access points that are used by mobile devices. Users occasionally report that the wireless connection drops or becomes very slow. Reports confirm that this only happens when the devices are connected to the office wireless network. Which of the following is MOST likely the cause?

A. The configuration of the encryption protocol
B. Interference from other devices
C. Insufficient bandwidth capacity
D. Duplicate SSIDs

Answer: B

QUESTION 346
A network technician is implementing a solution that will allow end users to gain access to multiple applications after logging on. Which of the following authentication methods would allow this type of access?

A. SSO
B. LDAP
C. EAP
D. TACACS+

Answer: A

QUESTION 347
A network attack caused a network outage by wiping the configuration and logs of the border firewall. Which of the following sources, in an investigation to determine how the firewall was compromised, can provide the MOST detailed data?

A. Syslog server messages
B. MIB of the attacked firewall
C. Network baseline reports
D. NetFlow aggregate data

Answer: A

QUESTION 348
Which of the following is the MOST appropriate use case for the deployment of a clientless VPN?

A. Secure web access to internal corporate resources.
B. Upgrade security via the use of an NFV technology
C. Connect two data centers across the internet.
D. Increase VPN availability by using a SDWAN technology.

Answer: A

QUESTION 349
A newly installed VoIP phone is not getting the DHCP IP address it needs to connect to the phone system. Which of the following tasks needs to be completed to allow the phone to operate correctly?

A. Assign the phone's switchport to the correct VLAN
B. Statically assign the phone's gateway address.
C. Configure a route on the VoIP network router.
D. Implement a VoIP gateway

Answer: A

QUESTION 350
Which of the following options represents the participating computers in a network?

A. Nodes
B. CPUs
C. Servers
D. Clients

Answer: A

QUESTION 351
A technician is trying to determine whether an LACP bundle is fully operational. Which of the following commands will the technician MOST likely use?

A. show interface
B. show config
C. how route
D. show arp

Answer: A

QUESTION 352
Which of the following is conducted frequently to maintain an updated list of a system's weaknesses?

A. Penetration test
B. Posture assessment
C. Risk assessment
D. Vulnerability scan

Answer: D

QUESTION 353
Which of the following protocols is widely used in large-scale enterprise networks to support complex networks with multiple routers and balance traffic load on multiple links?

A. OSPF
B. RIPv2
C. QoS
D. STP

Answer: A

QUESTION 354
A network administrator is planning a WLAN for a soccer stadium and was advised to use MU-MIMO to improve connection performance in high-density areas. The project requires compatibility with clients connecting using 2.4GHz or 5GHz frequencies. Which of the following would be the BEST wireless standard for this project?

A. 80211ac
B. 802.11ax
C. 802.11g
D. 80211n

Answer: B

QUESTION 355
An auditor assessing network best practices was able to connect a rogue switch into a network Jack and get network connectivity. Which of the following controls would BEST address this risk?

A. Activate port security on the switchports providing end user access.
B. Deactivate Spanning Tree Protocol on network interfaces that are facing public areas.
C. Disable Neighbor Resolution Protocol in the Layer 2 devices.
D. Ensure port tagging is in place for network interfaces in guest areas

Answer: A

QUESTION 356
A technician knows the MAC address of a device and is attempting to find the device's IP address. Which of the following should the technician look at to find the IP address? (Select TWO).

A. ARP table
B. DHCP leases
C. IP route table
D. DNS cache
E. MAC address table
F. STP topology

Answer: BE

QUESTION 357
A technician needs to configure a routing protocol for an internet-facing edge router. Which of the following routing protocols will the technician MOST likely use?

A. BGP
B. RIPv2
C. OSPF
D. EIGRP

Answer: A

QUESTION 358
Which of the following compromises internet-connected devices and makes them vulnerable to becoming part of a botnet? (Select TWO)

A. Deauthentication attack
B. Malware infection
C. IP spoofing
D. Firmware corruption
E. Use of default credentials
F. Dictionary attack

Answer: BF

QUESTION 359
Several employees have expressed concerns about the company monitoring their internet activity when they are working from home. The company wants to mitigate this issue and reassure employees that their private internet activity is not being monitored.
Which of the following would satisfy company and employee needs?

A. Split tunnel
B. Full tunnel
C. Site-to-site tunnel
D. Virtual desktop

Answer: A