

360 .Which of the following statements regarding OSPF special areas is false?

- A. A totally stub area allows the Type 3 default routes advertised by an ABR, and does not allow AS external routes and inter-area routes.
- B. Different from a totally stub area, a stub area allows inter-area routes.
- C. Different from a stub area, an NSSA area allows importing AS external routes. An ABR advertises these routes within its area using Type 7 LSAs.
- D. Different from an NSSA area, a totally stub area does not allow inter-area routes.

Answer: C

359 .In static LACP mode, the active interfaces selected by devices at both ends must be the same, otherwise, a LAG cannot be set up. You can specify one end as the Active side. Then the other end selects active interfaces based on the Active side.

So, in static LACP mode, how is the Active side be selected?

- A. The end with a smaller LACP system priority functions as the Active side. If the two ends have the same LACP system priority, the end with a smaller MAC address functions as the Active side.
- B. The end with a smaller MAC address is selected as the Active side.
- C. The end with a higher LACP system priority functions as the Active side. If the two ends have the same LACP system priority, the end with a larger MAC address functions as the Active side.
- D. The end with a lower LACP system priority functions as the Active side. If the two ends have the same LACP system priority, the end with a smaller MAC address functions as the Active side.

Answer: D

358 .Which of the following configuration can enable indirectly connected EBGP peers to establish a connection normally?

- A. peer connect-interface
- B. peer ebgp-max-hop
- C. peer ignore
- D. peer as-number

Answer: B

357 .Which of the following statements regarding Network-Summary-LSA are true? (Multiple Choice)

- A. Link State ID in Network-Summary-LSA is set as the destination network IP address.
- B. Net mask in Network-Summary-LSA is set as the network mask of the destination network segment.
- C. Metric in Network-Summary-LSA is set the cost of a route from an ABR to a destination network segment.
- D. Network-Summary-LSA is generated by an ASBR.

Answer: ABC

356 .Which of the following are possible causes for an MSTP failure in a LAN? (Multiple Choice)

- A. MSTP is configured incorrectly.
- B. A physical link alternates between Up and Down, triggering the device to send a large number of TC packets.
- C. The MSTP-enabled device receives MSTP TC packets that are transparently sent or from the client.
- D. The priority of the port in the specified MSTI is not configured.

Answer: ABC

355 .Which of the following Hello packets are used in IS-IS? (Multiple Choice)

- A. Level-1 LAN IIH
- B. Level-2 LAN IIH
- C. Level-3 LAN IIH
- D. P2P LAN IIH

Answer: ABD

354 .RSTP provides faster convergence than STP.
What are causes? (Multiple Choice)

- A. RSTP defines the edge port role. The edge port does not receive and process configuration BPDUs, and not participate in RSTP calculation. The edge port can directly change from the Disable state to the Forwarding state.
- B. When the root port fails, the optimal alternate port will become the root port and enter the Forwarding state.
- C. In RSTP, when a port is elected as the designated port, it enters the Discarding state. Then the port immediately enters the Forwarding state through the Proposal/Agreement mechanism.
- D. In RSTP, when a port receives RST BPDUs from the upstream designated bridge, the port will compare the own stored RST BPDU with the received RST BPDU.
- E. When the designated port fails, the optimal alternate port will become the root port and enter the Forwarding state.

Answer: ABCD

353 .Only MD5 authentication is supported between BGP peers.

- A. TRUE
- B. FALSE

Answer: T

352 .A DHCP server allocates IP addresses to clients.

Which of the following steps are required when configuring a DHCP server? (Multiple Choice)

- A. Enable DHCP globally.
- B. Configure the DHCP Option 82 field.
- C. Configure the global address pool if the DHCP server based on the global address pool is used.
- D. Configure the interface address pool if the DHCP server based on the interface address pool is used.

Answer: ACD

351 .RSTP is different from STP regarding defining port states.
Which port states does RSTP define?

- A. Discarding
- B. Learning
- C. Forwarding
- D. Discarding, Learning, and Forwarding

Answer: D

350 .Which are lower-layer physical devices of NFV framework? (Multiple Choice)

- A. Storage device
- B. Network device
- C. Server
- D. Air conditioning system

Answer: ABC

349 .Which of the following statements regarding P2MP network is true? (Multiple Choice)

- A. In a P2MP network, devices with different mask lengths cannot establish neighbor relationships but this limitation can be overcome using the ospf p2mp-mask-ignore command.
- B. In a P2MP network, DR and BDR need to be elected.
- C. OSPF does not regard a network as a P2MP network type by default regardless of any link layer protocol. A P2MP network must forcibly be changed from the network of other type.
- D. In a P2MP network, sent LSAs can be filtered using the filter-lsa-out peer command.

Answer: ACD

348 .In a route-policy, which of the following BGP attributes can be used in apply clauses? (Multiple Choice)

- A. Local-Preference
- B. Tag
- C. MED
- D. AS_Path

Answer: ACD

347 .Which of the following statements regarding Huawei network optimization service (NOS) is false?

- A. Life cycle assessment (LCA) is a technique to check and analyze the software and hardware life cycles of devices on the live network. With LCA, specific measures are taken for products that will reach the end of sales, production, software update, or technical support, preventing life cycle-caused operation risks.
- B. Software assessment & recommendation is a technique to assess and analyze all software platforms used by Party A in the service period. Based on the assessment result, this service can recommend a proper software version to prevent issues caused by known issues.
- C. Configuration assessment & optimization is a technique to develop and periodically maintain device configuration profiles based on customer requirements. Based on the periodic software assessment & recommendation result, this service applies related software features to command lines in the recommended target version, implementing refined configuration management.
- D. Network health check enables Huawei technology experts to review the rationality, security, and scalability of the network architecture based on industry-leading optimal experience, and to provide improvement suggestions based on the assessment result.

Answer: D

346 .Which of the following commands can display OSPF neighbor status information?

- A. display ospf peer
- B. display ip ospf peer
- C. display ospf neighbor
- D. display ip ospf neighbor

Answer: A

345 .To avoid global TCP synchronization, which congestion avoidance mechanisms can be used? (Multiple Choice)

- A. RED
- B. WRED
- C. Tail drop
- D. WFQ

Answer: AB

344 .When BFD detection intervals at both ends are 30ms and 40ms.

Which of the following statement is true?

- A. A BFD session can be set up. After the negotiation, the detection interval of 90ms is used
- B. A BFD session can be set up. After the negotiation, the detection interval of 30ms is used
- C. A BFD session can be set up, and packets are sent at respective intervals at both ends
- D. A BFD session cannot be established

Answer: A

343 .Which of the following statements regarding EGP and IGP is false?

- A. IGP runs within an AS
- B. EGP runs between ASs
- C. IGP focuses on controlling route advertisement and optimal route selection
- D. EGP itself is an old protocol

Answer: C

342 .Which application environment of following is NFV often deployed?

- A. Data center
- B. Network node
- C. User access side
- D. Client/Server

Answer: ABC

341 .Which of the following commands can display OSPF neighbor information on the VRP platform? (Multiple Choice)

- A. display ospf peer
- B. display ospf interface
- C. display ospf lsdb
- D. display ospf routing

Answer: AB

340 .ASFF enables the firewall to support multi-channel protocols such as FTP and to define security policies for complex applications.

- A. TRUE
- B. FALSE

Answer: T

339 .Which of the following OSPF neighbor states occurs only on NBMA networks?

- A. Down
- B. Init
- C. Attempt
- D. 2-way

Answer: C

338 .Which of the following parameters is optional when you configure a RADIUS server template on a Huawei switch?

- A. Authentication server IP address and port
- B. Automatic RADIUS user detection
- C. Accounting server address and port
- D. Shared-key

Answer: B

337 .Which of the following statements regarding a multicast distribution tree is false?

- A. There are two types of multicast distribution trees: SPT and RPT
- B. The PIM-SM protocol can generate both RPT trees and SPT trees
- C. The PIM-DM protocol can generate both RPT trees and SPT trees
- D. The PIM-DM protocol can generate only SPT trees

Answer: C

336 .An AS boundary router can be an internal router or ABR and must belong to the backbone area.

- A. TRUE
- B. FALSE

Answer: F

335 .In an IS-IS broadcast network, which multicast MAC address is used by a Level-2 muter as the destination address of sent IS-IS Hello packets?

- A. 0180-c200-0014
- B. 0180-c200-0016
- C. 0180-c200-0015
- D. 0100-5E00-0002

Answer: C

334 .Which of the following aspects should be considered during preliminary analysis of a migration project? (Multiple Choice)

- A. Necessity
- B. Feasibility
- C. Risks
- D. Costs

Answer: ABC

333 .MUX VLAN provides a mechanism for network resource control based on VLANs. Which of the following concepts do not belong to the MUX VLAN?

- A. Principal VLAN
- B. Subordinate VLAN
- C. Guest VLAN
- D. Subordinate group VLAN

Answer: C

332 .During configuration of the WRED drop profile, the lower drop threshold and upper drop threshold for AF21 traffic are 35 and 90, the lower drop threshold and upper drop threshold for AF22 traffic are 30 and 90, and the lower drop threshold and upper drop threshold for AF23 traffic are 25 and 90. The maximum drop probability for AF21, AF22, and AF23 traffic is 10%. Before congestion occurs, which type of traffic can obtain bandwidth guarantee?

- A. AF21
- B. AF22
- C. AF23
- D. AF21, AF22, and AF23 traffic

Answer: A

331 .Which of the following LSPs are established in Downstream Unsolicited (DU) label advertisement mode and ordered label distribution control mode? (Multiple Choice)

- A. When the edge node finds a new destination address in its routing table that does not belong to any existing FEC, the edge node does not create a new FEC for the destination address
- B. An LSP is established by binding an FEC to a label and advertising the binding relationship to the neighboring LSR
- C. If the egress node has available labels for distribution, it allocates labels for the FEC and sends a label mapping message to the upstream node
- D. After receiving a label mapping message, the LSR adds the corresponding entry to the label forwarding table

Answer: BCD

330 .If some devices on a network run MPLS (MPLS domain is encapsulated in the IP domain), labels are generated only for direct routes of devices running MPLS. Labels are not generated for the routes originated from other devices in the IP domain.

- A. TRUE
- B. FALSE

Answer: T

329 .An attacker sends ICMP Request packets with the destination address as the broadcast address of the attacked user host. What is this attack?

- A. IP spoofing attack
- B. Smurf attack
- C. ICMP redirection attack
- D. SYN Flood attack

Answer: B

328 .What is the default priority of the device in a VRRP group?

- A. 200
- B. 150
- C. 100
- D. 0

Answer: C

327 .Congestion management technology defines scheduling policies to determine the order of packet processing sequence.

- A. TRUE
- B. FALSE

Answer: T

326 .Which problems of the single spanning tree network can be solved by MSTP? (Multiple Choice)

- A. Some VLAN paths are unreachable.
- B. Traffic cannot be load balanced.
- C. The secondary optimal path is selected.
- D. Improve the network reliability.

Answer: ABC

325 .Which of the following statements regarding MUX VLAN is true?

- A. You do not need to configure the principal VLAN and subordinate VLAN in sequence.
- B. The MUX VLAN function must be enabled on an interface so that it can take effect.
- C. The principal VLAN and the subordinate VLAN of the MUX VLAN can be the same VLAN.
- D. The MUX VLAN can contain only one subordinate group VLAN.

Answer: B

324 .On the DiffServ network, what is the main purpose of defining the service type of the EF classification?

- A. Preferentially guarantee the services that require short delay, low packet loss, low jitter, and assured bandwidth.
- B. Provide channels for packet forwarding.
- C. Ensure bandwidth for specific traffic.
- D. Ensure that packets are forwarded with the minimum delay.

Answer: A

323 .Which of the following statements regarding the OSPF protocol are true? (Multiple Choice)

- A. An OSPF topology has three endpoint types: router node, stub network segment, and transit network segment.
- B. A broadcast network segment or a NBMA network segment with at least two routers are a type of transit network segment.
- C. The default bandwidth reference value of OSPF is 100 Mbit/s.
- D. The cost from a transit network segment to the router connected to this network segment is 100.

Answer: ABC

322 .An LSR supports various label retention modes.

Which of the following statements regarding the liberal mode are true? (Multiple Choice)

- A. An LSR reserves all labels sent by its neighbor.
- B. The liberal mode requires more memory and label space.
- C. An LSR retains labels from a neighboring LSR only when the neighbor is its next hop.
- D. This label retention mode saves the memory and label space. B. This label retention mode reduces the LSP convergence time when the IP routes converge and the next hop changes.

Answer: ABE

321 .Which of the following tools is used to filter routing information and set route attributes based on routing information?

- A. as-path-filter
- B. IP-Prefix
- C. route-policy
- D. policy-based-route

Answer: C

320 .How does an IGMPv2 router maintain group membership on the local network segment? (Multiple Choice)

- A. A router maintains a timer for each group membership and periodically resets the timer if it receives Report messages from receiver hosts. If the timer of a group membership times out, the router deletes the group membership.
- B. A router periodically sends Query messages, and receiver hosts send Report messages after receiving the Query messages.
- C. A router periodically sends Group-Specific Query messages periodically.
- D. A router will not delete any group memberships unless it receives Leave messages.

Answer: ABC

319 .The import-route limit command cannot limit the maximum number of external routes that can be imported into an OSPF process.

- A. TRUE
- B. FALSE

Answer: F

318 .Which of the following are roles in port mirroring? (Multiple Choice)

- A. Mirrored port
- B. Local observing port
- C. Remote mirroring port
- D. Trunk port

Answer: ABC

317 Which of the following statements regarding OSPF stub area is true?

- A. AS-external-LSAs can be advertised within a stub area.
- B. AS external route can only be based on a default route that is manually configured on an ABR.
- C. A virtual link cannot pass through a stub area.
- D. Any area can be a stub area.

Answer: C

316 What are the basic work process steps of SDN? (Multiple Choice)

- A. Collect network topology information
- B. Collect NE resource information
- C. Collect forwarding information
- D. Generate routes for internal exchange

Answer: ABD

315 If an alarm BGP/2/BACKWARD: OID [old] The BGP FSM moves from a higher numbered state to a lower numbered state, it is generated during BGP configuration, which of the following statements regarding the cause of this alarm is false?

- A. The BGP Hold timer expires and no Keepalive message is received.
- B. BGP receives an incorrect BGP message.
- C. The BGP peer neighbor is reset and proactively disconnects the peer relationship.
- D. BGP receives a Notification message from a neighbor.
- E. This alarm is normal and no action is required.

Answer: A

314 Which of the following statements regarding BGP is false?

- A. BGP is an exterior routing protocol and is used to transmit routing information between ASs.
- B. BGP is a link-state routing protocol.
- C. BGP supports CIDR.
- D. BGP provides abundant route filtering and routing policies.

Answer: B

313 What is the function of the detail-suppressed keyword in the aggregate command?

- A. It suppresses the delivery of generated summarized routes to the IP routing table.
- B. It suppresses the delivery of specific routes to the IP routing table.
- C. It only advertises the summarized routes to other BGP peers.
- D. It advertises both the summarized routes and specific routes to other BGP peers.

Answer: C

312 Which of the following statements regarding the OSPF feature is false?

- A. OSPF uses the link state algorithm.
- B. Each router advertises local link state information by flooding LSAs.
- C. Each OSPF device collects LSAs sent by other routers. All LSAs form the link state database (LSDB).
- D. All the routers in OSPF Area 0 have the same 13DB.
- E. Based on the directed graph, each router uses a SPF algorithm to compute the shortest path tree with itself as the root. The shortest path tree shows routes to nodes in an AS.

Answer: D

311 .Which of the following statements regarding BGP route advertisement rules are true? (Multiple Choice)

- A. A BGP Speaker advertises all BGP routes to new peers immediately after they establish BGP connections.
- B. A BGP Speaker advertises all BGP routes to its peers.
- C. Generally, when multiple routes exist, a BGP Speaker adds only the optimal route into its routing table.
- D. A BGP Speaker advertises the routes learned from an EBGP peer to all BGP peers, including EBGP peers and IBGP peers.

Answer: ACD

310 .When hosts and servers in the same zone communicate with each other, NAT is not required.

- A. TRUE
- B. FALSE

Answer: F

309 .Fast detection technology can rapidly detect communication faults between neighboring devices as soon as possible so that the system can take measures immediately to ensure that services are not interrupted.

- A. TRUE
- B. FALSE

Answer: T

308 .Which of the following statements regarding VRRP is false?

- A. The master in the VRRP group is selected based on priorities.
- B. The master sends gratuitous ARP packets, and notifies the connected device or host of its virtual MAC address.
- C. If the master fails, the new master is selected among backup devices based on priorities.
- D. The priority ranges from 1 to 255. When the backup received VRRP Advertisement packets which the priority is 0, the backup discards the packets.

Answer: D

307 .Which of the following statements regarding OSPF multi-instance is false?

- A. OSPF multi-instance takes effect globally.
- B. An interface of a router belongs to only a certain OSPF process.
- C. Route exchange between different OSPF processes is similar to route exchange between different routing protocols.
- D. Multiple OSPF processes can run on the same router, and they are independent of each other.

Answer: A

306 .Which of the following LSA packets carries master/slave relationship information?

- A. Hello packet
- B. DD packet
- C. LSA Update packet
- D. LSA Request packet

Answer: B

305 .Which of the following statements regarding multicast MAC addresses are false? (Multiple Choice)

- A. The high 24 bits of the multicast MAC address are 0x01005f, the 25th bit is fixed to 1, and the lower 23 bits of the MAC address map to the lower 23 bits of the multicast IP address.
- B. One multicast MAC address maps to 32 multicast IP addresses.
- C. A multicast MAC address identifies receivers of a multicast group on the data link layer.
- D. One multicast MAC address maps to only one multicast IP address.

Answer: AD

304 .Which of the following statements regarding well-known attributes are true? (Multiple Choice)

- A. Well-known attributes include well-known mandatory attributes and well-known transitive attributes.
- B. BGP must identify all well-known attributes.
- C. Well-known mandatory attributes can be identified by all BGP routers and must be carried in Update messages.
- D. Well-known discretionary attributes can be identified by all BGP routers but do not necessary to be carried in Update messages.

Answer: BCD

303 .In vAR application scenarios, which functions of the AR Router can be virtualized on a server? (Multiple Choice)

- A. Firewall
- B. VoIP
- C. NAT
- D. VPN

Answer: ABCD

302 .The IP prefix configuration command is ip ip-prefix ip-prefix-name [index index-number] {permit | deny } ipv4-address mask-length [greater-equal greater-equal-value] [less-equal less-equal-value].

If greater-equal is specified but less-equal is not, what is the IP prefix range?

- A. [0, greater-equal-value]
- B. [mask-length, greater-equal-value]
- C. [greater-equal-value, 32]
- D. Unlimited

Answer: C

301 .Which of the following BGP routing policy tools can filter routes? (Multiple Choice)

- A. ip extcommunity-filter
- B. route-policy
- C. filter-policy
- D. peer-list

Answer: ABC

300 .After PPP Multilink is configured, data is evenly allocated to member links based on the source and destination addresses.

- A. TRUE
- B. FALSE

Answer: F

299 .OSPF supports multi-process. Multiple OSPF processes can run on the same router, and they are independent of each other. Route exchange between different OSPF processes is similar to route exchange between different routing protocols.

- A. TRUE
- B. FALSE

Answer: T

298 .When a BGP muter receives a mute with an unreachable next hop, how does it process the mute?

- A. It sends an error message to the muter that sends the Update message.
- B. It does not add this mute to its BGP muting table and discards this mute.
- C. It accepts and adds this mute to its BGP muting table. However, this mute will not be preferred by BGP and not added to the IP muting table.
- D. It accepts and adds this mute to its BGP muting table. This mute will participate in BGP mute selection and may become the optimal mute and be added to the IP muting table.

Answer: C

297 .In DU label advertisement mode, if the liberal label retention mode is used, the device reserves labels received from all the LDP peers regardless of whether the LDP peer is the next hop for reaching the destination network.

- A. TRUE
- B. FALSE

Answer: T

296 .Which of the following is not the application scenario of the guest access management function of the Agile Controller?

- A. Customers access the enterprise network, public resources, or Internet during exchanges with or visits to the enterprise.
- B. Citizens access the Internet through the network provided by public utilities.
- C. Consumers connect to the Internet over the enterprise network.
- D. Enterprise employees on a business trip connect to the enterprise network through the branch network.

Answer: D

295 .When QoS is deployed on a network to improve the quality of some services, the quality of other services must deteriorate.

- A. TRUE
- B. FALSE

Answer: T

294 .eSight single-server mode allows login of only one user. If another user logs in, the system displays a message indicating that a user is online currently.

- A. TRUE
- B. FALSE

Answer: F

293 .In an OSPF routing domain, two routers must be specified as one DR and one BDR in a broadcast or NBMA network with at least two routers.

- A. TRUE
- B. FALSE

Answer: F

292 .Which of the following protocols can be deployed to quickly detect network link faults?

- A. BFD
- B. RSTP
- C. iSPF
- D. Smart-Link

Answer: A

291 .In the VRP, by default, the routes imported by BGP will be automatically summarized.

- A. TRUE
- B. FALSE

Answer: F

290 .During EBGp peer relationship troubleshooting, it is found that two directly connected devices set up connections using loopback interfaces. Therefore, the display current-configuration configuration bgp command is executed to check the configuration of peer ebgp-max-hop hop-count. Which of the following statements is correct?

- A. The hop count must be greater than 1.
- B. The hop count must be greater than 2.
- C. The hop count must be greater than 15.
- D. The hop count must be greater than 255.

Answer: A

289 .A DHCP client needs to obtain an IP address from the DHCP server when accessing a network for the first time. When the client accesses the network again, which of the following statements are true? (Multiple Choice)

- A. The DHCP client broadcasts a DHCP Discover packet. The DHCP server replies to the packet.
- B. The DHCP client only needs to broadcast a DHCP Request packet containing the IP address obtained last time, but does not need to send a DHCP Discover packet again.
- C. After receiving the DHCP Discover packet, the DHCP server sends a DHCP Offer packet containing the leased IP address and other settings to the DHCP client.
- D. After receiving the DHCP Request packet, the DHCP server returns a DHCP ACK packet if the requested IP address is not allocated to another client.

Answer: BD

288 .Upon VRRP group flapping, the vrrp vrid timer advertise command is executed on the router to increase the interval for sending VRRP packets, and then the display vrrp command is executed repeatedly on the backup device to check the State field. It is found that the value of State remains unchanged.

Which of the following statements regarding these operations is true?

- A. A small interval for sending VRRP packets may cause status flapping of the backup device.
- B. A large interval for sending VRRP packets may cause status flapping of the backup device.
- C. Status flapping of the backup device is irrelevant to the interval for sending VRRP packets.
- D. The fault cause is not found, and it takes time for the device to recover from the fault.

Answer: A

287 .Which of the following statements regarding BGP route selection rules are true? (Multiple Choice)

- A. The route with the higher local preference is preferred.
- B. A summarized route is preferred over a non-summarized route.
- C. The priorities of three Origin attributes types are in the following order: EGP, IGP, Incomplete.
- D. Among the equal-cost routes, the route with the shorter Cluster-List is preferred.

Answer: ABD

286 .Which of the following are highlights of the Service Chain component of the Agile Controller? (Multiple Choice)

- A. Services are orchestrated based on the Layer 3 GRE tunnels and service devices can be deployed flexibly.
- B. Service orchestration operations are visualized in the topology, simplifying the configuration and management.
- C. Adding or deleting service devices does not change the physical topology of the live network and existing routes.
- D. Services are orchestrated automatically, without the need for manual maintenance.

Answer: ABC

285 .Which of the following statements regarding Huawei eSight network management software is false?

- A. eSight is a lightweight system and a wizard is available for eSight installation.
- B. eSight adopts the C/S architecture, so users can access eSight using a browser anytime, anywhere.
- C. eSight provides corresponding solutions for different customers.
- D. eSight can uniformly manage devices from multiple vendors.

Answer: B

284 .Which of the following is not an external risk to a project?

- A. Exchange rate change
- B. Rainstorm disaster
- C. Social unrest
- D. Differences of industrial standards

Answer: D

283 .Which of the following statements regarding ABR is false?

- A. An ABR has multiple LSDBs and maintains one LSDB for each area.
- B. An ABR abstracts link state information within its connected non-backbone area as routing information and advertises the routing information within the backbone area.
- C. An ABR needs to abstract link state information within the backbone area as routing information and advertises the routing information within all non-backbone areas.
- D. An ABR can generate Type 3 LSAs, Type 4 LSAs, and Type 5 LSAs.

Answer: D

282 .Flow mirroring is divided into local flow mirroring and remote flow mirroring.

- A. TRUE
- B. FALSE

Answer: T

281 .Which of the following contents are included in a migration project solution? (Multiple Choice)

- A. Migration preparation
- B. Migration implementation
- C. Rollback solution
- D. Contingency plan

Answer: ABCD

280 .Which of the following firewalls has the highest forwarding efficiency when processing non-first-packet data flows?

- A. Packet filtering firewall
- B. Proxy firewall
- C. Stateful inspection firewall
- D. Software firewall

Answer: C

279 .Which of the following statements regarding multicast are false? (Multiple Choice)

- A. Unicast and broadcast technologies cannot implement point-to-multipoint transmission. Only multicast technology can implement this function.
- B. Multicast technology is applicable to most of point-to-multipoint data transmission applications.
- C. Multicast technology is based on TCP, so it can ensure reliable transmission of packets.
- D. Multicast technology can reduce redundant traffic and conserve bandwidth on a network.

Answer: AC

278 .The peer default-mute-advertise command is executed on a BGP mrouter to advertise a default mute to neighboring routers. Which of the following statements regarding the change of local BGP muting table is true?

- A. An inactive default mute will be generated in the local BGP muting table, but this mute will not be delivered to the IP muting table.
- B. An active default mute will be generated in the local BGP muting table and delivered to the IP muting table.
- C. No default mute will be generated in the local BGP muting table.
- D. A default mute will be generated in the local BGP muting table. Whether the default mute will be delivered to the IP muting table depends on the mute selection result.

Answer: C

277 .Packet loss occurs only at the transmit end.

- A. TRUE
- B. FALSE

Answer: F

276 .Which of the following contents are included in a project implementation solution? (Multiple Choice)

- A. Time plan
- B. Personnel arrangement
- C. Migration process
- D. Risk control measures

Answer: ABCD

275 .When a large number of IP phones and WLAN APs exist on a network, which of the following switches is used?

- A. Switches supporting STP edge ports
- B. Switches supporting PoE
- C. Switches supporting SACG
- D. Switches supporting QoS

Answer: B

274. If there are no receivers on a PIM-SM network, which of the following routers will have multicast routing entries? (Multiple Choice)

- A. Source DR
- B. Receiver's router
- C. Last-hop router
- D. RP router

Answer: AD

273. During unpacking and inspection, the device appearance is intact and all modules work properly after the first power-on. After the device continuously runs for 24 hours, a fault occurs on a card. This situation does not conform to DOA conditions.

- A. TRUE
- B. FALSE

Answer: F

272. Which of the following statements regarding the summary automatic command and BGP route summarization is false?

- A. This command enables automatic summarization for the locally imported routes.
- B. After this command is configured, BGP summarizes routes based on natural network segments.
- C. After this command is configured, BGP sends only the summarized routes to peers.
- D. After this command is configured, BGP does not accept the subnet routes advertised by IGP. Therefore, the number of routing information is reduced.
- E. This command is used to implement automatic summarization. Automatic summarization takes precedence over manual summarization.

Answer: E

271. A DHCP server provides different address allocation modes to meet various application requirements. Which address allocation mode can be used to allocate an IP address to a host requiring temporary network access or allocate a group of limited IP addresses that can be shared by a group of temporary hosts?

- A. Automatic allocation
- B. Dynamic allocation
- C. Manual allocation
- D. Manual or dynamic allocation

Answer: B

270. Which of the following statements regarding the LSA header information in AS-External-LSA is false?

- A. Link State ID indicates a destination network address.
- B. Advertising Router indicates the router ID of an ASBR.
- C. Net mask indicates the network mask of the destination network segment.
- D. Forwarding Address is always 0.0.0.0.

Answer: D

269. What is the multicast destination address of VRRP packets?

- A. 224.0.0.18
- B. 224.0.0.20
- C. 224.0.1.18
- D. 224.0.1.20

Answer: A

268 .Which of the following statements regarding different types of firewalls is false?

- A. The packet filtering firewall checks each data packet against ACL rules.
- B. The stateful inspection firewall uses security policies to check only the first packet of non-matched sessions.
- C. The security policies in two directions need to be configured on the stateful inspection firewall.
- D. The proxy firewall processes services of users on internal and external networks.

Answer: C

267 .In addition to P2P network, which of the following network types is supported in IS-IS else?

- A. P2MP
- B. NBMA
- C. SNAP
- D. LAN (broadcast network)

Answer: D

266 .The difference between an OSPF NSSA area and a stub area is that external routes can be imported into a NSSA area.

- A. TRUE
- B. FALSE

Answer: T

265 .MPLS uses LDP to provide different label distribution modes.

Which of the following statements regarding LDP label distribution control modes are false? (Multiple Choice)

- A. LDP label distribution can be controlled in ordered mode.
- B. In ordered mode, when an LSR is the origin of a route, it can send label mapping messages to the upstream router initiatively and does not need to wait for label mapping messages from the next hop LSR.
- C. LDP label distribution cannot be controlled in independent mode.
- D. In independent mode, an LSR cannot send label mapping messages to the upstream router before it receives label mapping messages from the next hop LSR.

Answer: CD

264 .What are three features of SDN network architecture?

- A. Separated forwarding and control layers, centralized control, and open interfaces
- B. Separated forwarding and control layers, distributed control, and open interfaces
- C. Centralized forwarding and control layers, centralized control, and open interfaces
- D. Separated forwarding and control layers, centralized control, and closed interfaces

Answer: A

263 .Which of the following statements regarding BGP route advertisement are false? (Multiple Choice)

- A. All the BGP routes learned from all BGP peer will be advertised to other BGP peers.
- B. Only the routes learned from IGP's can be advertised to other BGP peers.
- C. By default, the routes learned from an IBGP peer will not be forwarded to other IBGP peers.
- D. Only the optimal routes preferred by BGP can be advertised to other BGP peers.

Answer: AB

262 .Which packet information can be used for complex traffic classification? (Multiple Choice)

- A. Packet length
- B. Source and destination addresses
- C. Protocol type
- D. Source and destination MAC addresses

Answer: BCD

261 .Which of the following statements regarding join member interfaces are false when link aggregation works in manual mode?

- A. An Eth-Trunk cannot be nested, and a member interface cannot be an Eth-Trunk.
- B. An Ethernet interface can join only one Eth-Trunk. Before adding an Ethernet interface to an Eth-Trunk, ensure that the Ethernet interface does not belong to any other Eth-Trunk.
- C. If the local device uses the Eth-Trunk, the remote interface directly connected to the member interface must join the Eth-Trunk so that both ends can communicate.
- D. An Eth-Trunk can work in Layer 2 or Layer 3 mode. The two working modes can be identified automatically and do not need to be switched manually.

Answer: D

260 .DHCP snooping is a valid security mechanism.

Which of the following attack prevention methods can DHCP snooping provide? (Multiple Choice)

- A. Defense against bogus DHCP server attacks
- B. Defense against DoS attacks on the DHCP server
- C. Defense against MAC address flooding attacks
- D. Source MAC address check for data packets in collaboration with DAI
- E. Source IP address check for data packets in collaboration with IPSG

Answer: ABE

259 .Which information are included in the DHCP binding entry? (Multiple Choice)

- A. MAC address
- B. IP address
- C. Lease time
- D. Physical port and UDP port

Answer: ABC

258 .Which of the following attacks is not the network layer attack?

- A. IP spoofing attack
- B. Smurf attack
- C. ARP spoofing attack
- D. ICMP attack

Answer: C

257 .When two routers exchange LSDB information using DD packets, a master/slave relationship is formed first, the router with a larger router ID is the master, and determine the MS bit.

- A. TRUE
- B. FALSE

Answer: T

256 .Which of the following aspects should be considered for migration risk assessment? (Multiple Choice)

- A. Key risk positions
- B. Risk impact scope
- C. Risk impact time
- D. Loss caused by risks

Answer: ABCD

255 .Which of the following commands can display route calculation statistics in an OSPF process?

- A. display ospf cumulative
- B. display ospf spf-statistics
- C. display ospf global-statistics
- D. display ospf request-queue

Answer: B

254 .A customer needs to select Layer 3 100M switches from a series of Huawei's campus switches. Which of the following series is proper?

- A. S2700
- B. S3700
- C. S5700
- D. S6700

Answer: B

253 .LDP uses Discovery messages to discover neighbors through different neighbor discovery mechanisms. Which of the following statements regarding basic discovery mechanisms are true? (Multiple Choice)

- A. The destination IP address of the LDP Discovery message is the multicast IP address 224.0.0.2.
- B. The LDP Discovery message is sent to the specified LDP peer.
- C. The LSR does not send Hello messages any longer after TCP connections are established.
- D. The LDP Discovery message is encapsulated into a UDP packet and its destination port number is 646.

Answer: AD

252 .In a MPLS VPN network, two-layer MPLS labels are added to data packets before they are transmitted over the public network. Which of the following statements regarding two-layer labels are false? (Multiple Choice)

- A. The outer label is the private network label and the inner label is the public network label.
- B. The MPLS VPN outer label is distributed manually by the LDP protocol. The inner label is distributed by the peer MP-BGP neighbor.
- C. By default, the outer label in data packets is popped out before being forwarded to the last hop.
- D. The outer label is used to instruct the PE to send data packets to the correct VPN.

Answer: AD

251 .VXLAN is irrelevant to SDN technology.

- A. TRUE
- B. FALSE

Answer: T

250 .Which of the following statements regarding Network Address and Port Translation (NAPT) and No Port Translation (No-PAT) is true?

- A. After NAPT translation, all packets are from the same IP address for external users.
- B. In No-PAT mode, only the transport layer protocol port number can be converted.
- C. In NAPT mode, only the network layer protocol address can be converted.
- D. In No-PAT mode, the network layer protocol address can be converted.

Answer: D

249 .Which of the following statements regarding the IntServ model is false?

- A. RSVP is used to transmit signaling of QoS requests, notifying the router of QoS requirements of the application.
- B. It provides guaranteed bandwidth and delay to meet requirements of the application.
- C. It can provide a load control service, to ensure that even in the case of network overload, can provide services similar to the network which is not overloaded, that is, in the case of network congestion, this model ensures that packets of some applications can be processed with the low delay.
- D. In this model, the network maintains the status of each flow (IP addresses and port numbers of source and destination ends), and based on this state packets are classified, policed, queued, and scheduled, meeting application requirements.

Answer: D

248 .Compared with OSPF, which of the following statements regarding IS-IS are true? (Multiple Choice)

- A. IS-IS supports more network types.
- B. IS-IS supports more area types.
- C. IS-IS has better scalability.
- D. IS-IS supports fewer protocol packet types.

Answer: CD

247 .Port isolation can isolate communication between different interfaces in the same VLAN on a switch.

- A. TRUE
- B. FALSE

Answer: T

246 .An enterprise network usually uses private IP addresses for internal communication. Which of the following addresses is a private IP address?

- A. 0.1.1.1
- B. 127.5.4.3
- C. 128.0.0.5
- D. 172.24.35.56
- E. 231.33.24.35

Answer: D

245 .By default, VRRP on a Huawei AR router works in preemption mode.

- A. TRUE
- B. FALSE

Answer: T

244 .Which of the following messages are supported by BGP? (Multiple Choice)

- A. Keepalive
- B. Open
- C. Update
- D. Hello

Answer: ABC

243 .On a stateful inspection firewall where there is no session table, when the status detection mechanism is enabled and the second packet (SYN+ACK) of 3-way handshakes reaches the firewall.

Which of the following statements is true?

- A. If the firewall security policy permits packets to pass, the packets can pass the firewall.
- B. If the firewall security policy permits packets to pass, the session table is created.
- C. By default, when status detection is disabled and the permit policy is configured, packets can pass.
- D. Packets must pass the firewall, and a session table is established.

Answer: C

242 .When BGP route load balancing is configured, and there are two load balancing routes whose first eight BGP attributes described in BGP route selection rules and the AS_Path attribute are the same, how will the two routes prefix be advertised to neighbors?

- A. The two routes will be both advertised to other BGP peers.
- B. One optimal route is selected from the two routes and then advertised to other BGP peers.
- C. The two routes will not be advertised to other BGP peers.
- D. One optimal route is selected from the two routes and then advertised to IBGP peers.

Answer: A

241 .Which of the following statements regarding Huawei network optimization service (NOS) is true? (Multiple Choice)

- A. Improves network availability and performance.
- B. Improves the productivity.
- C. Reduces costs.
- D. Implements knowledge transfer.

Answer: ABCD

240 .Which of the following items is conducted in the cause list phase of the structured network troubleshooting process?

- A. One-by-one check
- B. Information filter
- C. Temporary environment setup
- D. Troubleshooting assessment

Answer: B

239 .Which drop policy is not included by congestion avoidance? (Multiple Choice)

- A. FIFO
- B. RED
- C. WRED
- D. WFQ

Answer: AD

238 .When a BGP muter receives a route with an unreachable next hop, how does it process the route?

- A. It sends an error message to the router that sends the Update message.
- B. It does not add this route to its BGP routing table and discards this route.
- C. It accepts and adds this route to its BGP routing table. However, this route will not be preferred by BGP and not added to the IP routing table.
- D. It accepts and adds this route to its BGP muting table. This route will participate in BGP mute selection and may become the optimal route and be added to the IP routing table.

Answer: C

237 .Which of the following methods is used to control internal employees and guests access networks in the Agile Controller wireless access control scenario?

- A. Access control by user name
- B. According to whether the wireless terminal MAC address registration control access
- C. Access control by SSID (different SSIDs for internal employees and guests)
- D. Access control by wireless terminal type

Answer: C

236 .Which of the following is not overlay VPN technology?

- A. GRE
- B. IPSec VPN
- C. SSL VPN
- D. L2TP VPN

Answer: D

235 .RTA is the source designated router (DR), and RTB is the rendezvous point (RP). The multicast source sends multicast data to RTA, but RTB does not have the multicast source with PIM register packets. Which of the following are the possible causes? (Multiple Choice)

- A. There is no unicast route from RTB to RTA.
- B. RTA cannot learn the RP information.
- C. There is no multicast route from RTA to RTB.
- D. The RP learned by RTA is not RTB.

Answer: BD

234 .Which of the following troubleshooting methods is not based on the TCP/IP reference model?

- A. Configuration comparison
- B. Top-down
- C. Bottom-up
- D. Replacement

Answer: A

233 .Which of the following are the differences between IGMP versions? (Multiple Choice)

- A. IGMPv1 and IGMPv2 do not support querier election, but IGMPv3 does.
- B. IGMPv2 and IGMPv3 allow users to leave a group proactively, whereas IGMPv1 does not.
- C. None of IGMPv1, IGMPv2, and IGMPv3 supports the SSM model.
- D. IGMPv1 does not support group-specific query, whereas IGMPv2 does.

Answer: BD

232 .Using default routes between routers is a cost-effective solution, but this consumes more system resources than complete routing table.

- A. TRUE
- B. FALSE

Answer: F

231 .Which of the following statements regarding the stateful inspection firewall is true?

- A. The stateful inspection firewall needs to match the rules for each incoming packet.
- B. Because UDP is a connectionless protocol, so the stateful inspection firewall cannot match UDP packets with the status table.
- C. When the stateful inspection firewall checks packets, packets of one same connection are not correlated.
- D. The stateful inspection firewall only needs to match the first data packet against a rule, and the subsequent packets of the connection are matched directly in the state table.

Answer: D

230 .Which of the following items can be used as the filtering conditions for historical alarm query on eSight? (Multiple Choice)

- A. Alarm severity
- B. First occurrence time
- C. Alarm source
- D. Alarm name

Answer: ABCD

229 .The master/slave relationship of OSPF neighbors is negotiated using DD packets.

- A. TRUE
- B. FALSE

Answer: T

228 .In network design, a redundant network topology can be used to provide higher reliability for customer services. Which of the following topologies can be used to provide redundancy? (Multiple Choice)

- A. Star topology
- B. Ring topology
- C. Bus topology
- D. Dual-star topology

Answer: BD

227 .The AS_Path attribute cannot take effect within an AS. Therefore, a BGP router will not advertise any Update message received from an IBGP peer to other IBGP peers.

- A. TRUE
- B. FALSE

Answer: T

226 .Which of the following statements regarding OSPF packets are true? (Multiple Choice)

- A. An interface sends Hello packets immediately after being added to an OSPF area.
- B. After receiving a LSA Update packet, a router must send a LSAck packet for acknowledgement.
- C. LSA Update packets carrying detailed LSAs are sent to synchronize the LSDB.
- D. LSA Update packets are sent only when adjacencies are established.

Answer: AC

225 .What is the default Hello interval of a DIS in a broadcast network?

- A. 5s
- B. 10s
- C. 3.3s
- D. 40s

Answer: C

224 .A VPN instance is also called a VPN routing and forwarding (VRF) table. Which of the following statements is false?

- A. VPN instances on a PE are independent of each other.
- B. Each VPN instance can be regarded as a virtual router, which maintains an independent address space and has one or more interfaces connected to the VPN.
- C. A PE maintains multiple routing and forwarding tables, including a public routing and forwarding table and one or more VRFS.
- D. A VPN instance can be bound to multiple sites. Multiple sites can be bound to one VPN instance.

Answer: D

223 .If a fault cannot be rectified in a short time on a complex network but the customer needs to restore network availability immediately, which of the following actions is recommended?

- A. Tell the customer that this is impossible.
- B. Set up an alternative network environment.
- C. Communicate with the customer on skipping the faulty node, and set up an alternative network environment.
- D. Attempt to rectify the fault. If the fault cannot be rectified after a period of time, communicate with the customer.

Answer: C

222 .What is the default sending interval of BFD packets?

- A. 5s
- B. 100ms
- C. 1000ms
- D. 10s

Answer: C

221 .In BGP, the Origin attribute of the routes imported using the import-route command is Incomplete.

- A. TRUE
- B. FALSE

Answer: T

220 .When configuring source NAT with no-pat configuration parameters, which of the following statements is true?

- A. Only the source IP address is translated.
- B. Only the destination IP address is translated.
- C. The source IP address and source port number are both translated.
- D. The destination IP address and destination port number are both translated.

Answer: A

219 .Which of the following are included in the full lifecycle guest management of the Agile Controller? (Multiple Choice)

- A. Account registration
- B. Account approval and distribution
- C. Account authentication
- D. Account audit and deregistration

Answer: ABCD

218 .Which of the following device discovery modes are supported by Huawei eSight network management software? (Multiple Choice)

- A. By specified IP address
- B. By specified IP address segment
- C. By specified product model
- D. Batch import by Excel file (containing specified IP addresses)

Answer: ABD

217 .Which of the following regulations does not belong to the onsite behavior regulations during the service process?

- A. Rights regulations
- B. Operation regulations
- C. Attitude regulations
- D. Preparation regulations

Answer: D

216 .The essence of SDN is to construct a brain for a network and achieve optimal global traffic through the global view and centralized control.

- A. TRUE
- B. FALSE

Answer: T

215 .ACL have two types of matching order: configuration order and automatic order.

- A. TRUE
- B. FALSE

Answer: T

214 .Which of the following operations should be performed preferentially for Telnet login failure troubleshooting?

- A. Check whether the client can ping the server.
- B. Check whether the number of login users reaches the upper limit.
- C. Check whether an ACL is configured in the VTY user interface view.
- D. Check whether the access protocol is correctly configured in the VTY user interface view.

Answer: A

213 .IGMPv3 not only supports IGMPv1 General Query and IGMPv2 Group-Specific Query, and also IGMPv3 Source/Group-Specific Query.

- A. TRUE
- B. FALSE

Answer: T

212 .Which of the following BGP attributes are well-known mandatory attributes? (Multiple Choice)

- A. Local_Pref
- B. Next_hop
- C. AS_Path
- D. MED

Answer: BC

211 .An advanced ACL is a series of ordered rules with permit or deny clauses.
Which of the attributes can be used in ACL rules to describe IP packets? (Multiple Choice)

- A. Source IP address
- B. Destination IP address
- C. Port number
- D. ICMP packet type and message code

Answer: ABCD

210 .Which of the following statements regarding MUX VLAN is false?

- A. Each group VLAN must be bound to a principal VLAN.
- B. If the VLAN ID has been used by the principal VLAN, this VLAN cannot be used for the VLANIF interface, super-VLAN, or sub-VLAN.
- C. After MUX VLAN is enabled on an interface, VLAN mapping and VLAN stacking can be configured on the interface.
- D. An enterprise can use the principal port to connect to the enterprise server, a separate port to connect to enterprise customers, and a group port to connect to enterprise employees. Enterprise customers and employees can both access enterprise servers, enterprise employees can communicate with each other, enterprise customers cannot communicate with each other, and enterprise customers and employees cannot communicate with each other.

Answer: C

209 .Which of the following statements regarding MPLS is false?

- A. MPLS supports various network layer protocols and the packets carrying MPLS labels must be encapsulated into PPP frames before being transmitted.
- B. MPLS labels uniquely identify specific packets in different subnets.
- C. The router can aggregate multiple IP flows into an FEC according to the forwarding target.
- D. Network connections must be established before the packets carrying MPLS labels can be transmitted.
- E. MPLS replaces IP forwarding with label switching.

Answer: A

208 .On a MPLS network, switches can distribute labels.
Which of the following statements regarding label distribution control mode is true?

- A. The downstream LSR determines a label bound to a specific FEC, and then notifies the upstream LSR.
- B. In Downstream on Demand (DoD) mode, an LSR distributes a label to an FEC without having to receive the label request message from its upstream LSR.
- C. In Downstream Unsolicited (DU) mode, an LSR distributes a label to an FEC after receiving a label request message from its upstream LSR.
- D. The upstream LSR and downstream LSR with label advertisement adjacencies may use different label distribution control modes.

Answer: A

207 .The traditional tail drop method is used for packet loss, which causes global TCP synchronization.

- A. TRUE
- B. FALSE

Answer: T

206 .STP ensures a loop-free network but has a slow network topology convergence speed, affecting communication quality. RSTP has made some improvements based on STP.

Which of the following improvements is not included?

- A. RSTP deletes three port states and adds two port roles.
- B. RSTP reduces five port states to three port states based on user traffic forwarding and MAC address learning.
- C. The non-root switch running RSTP sends configuration BPDUs at the interval specified by the Hello timer, which is performed independently by each device.
- D. If a port does not receive configuration BPDUs from the upstream device within four Hello intervals, the switch considers that the negotiation with the neighbor fails.

Answer: D

205 .In MSTP, each MSTI calculates an independent spanning tree by using the RSTP algorithm.

- A. TRUE
- B. FALSE

Answer: T

204 .By default, to transmit routing information to other IBGP peers, a BGP Speaker must establish IBGP connections with all other IBGP peers, forming IBGP fully meshed connections within an AS.

- A. TRUE
- B. FALSE

Answer: T

203 .In a non-broadcast network, OSPF has two running modes: NBMA and P2MP, and DR/BDR need to be elected in a NBMA network.

- A. TRUE
- B. FALSE

Answer: T

202 .SDN and NFV are essentially the same concept and both define network function virtualization.

- A. TRUE
- B. FALSE

Answer: F

201 .When OSPF runs in a broadcast network, DR and BDR need to be elected. In which state will DR and BDR be elected?

- A. Init state
- B. Attempt state
- C. 2-way state
- D. Exchange state

Answer: C

200 .A DHCP server may use different address ranges to allocate IP addresses to clients. Which of the following statements regarding address allocation are true? (Multiple Choice)

- A. IP address that is statically bound with the MAC address of a client in the database of the DHCP sever.
- B. IP address that has been allocated to the client, that is, the IP address in the Requested IP Addr Option of the DHCP Discover packet sent by the client.
- C. First available IP address found by the server in the DHCP address pool.
- D. On the DHCP server query Expired and conflicting IP addresses, if you find an available IP address, you can assign.
- E. IP address that once conflicts with the IP address of another client.

Answer: ABCD

199 .Which of the following statements regarding BGP Update messages is false?

- A. Generally, Update messages are sent after Keepalive messages.
- B. Update messages are used to exchange routing information between BGP peers.
- C. Update messages can be used to advertise multiple reachable mutes.
- D. Update messages are sent in multicast mode.

Answer: D

198 .Which of the following command is used to configure the listening address of the SDN controller?

- A. openflow listening-ip 1.1.1.1
- B. sdn controller souce-address 1.1.1.1
- C. controller-ip 1.1.1.1
- D. sdn listening-ip 1.1.1.1

Answer: A

197 .The jitter occurs because the E2E delays of data packets in the same flow are different.

- A. TRUE
- B. FALSE

Answer: T

196 .BGP is an enhanced distance-vector muting protocol. Which is the major reason for this?

- A. BGP does not accept the mutes whose AS_Path attribute contains the local AS number.
- B. Nexthop is a well-known mandatory attribute of BGP mutes.
- C. The AS_Path attribute records all the ASs that a BGP route passes through on the transmission path. In route selection rules, a route with a shorter AS_Path is preferred.
- D. The AS_Path attribute records all the ASs that a BGP route passes through on the transmission path. In route selection rules, a route with a shorter AS_Path is preferred, and the AS_Path attribute is also checked in IBGP.

Answer: C

195 .Which of the following statements regarding border security optimization are true? (Multiple Choice)

- A. Border security optimization aims to prevent or reduce external network attacks and harm.
- B. The optimization position is usually located at the network edge.
- C. Optimization measures include attack defense technologies, packet filtering, and hardware firewalls.
- D. Border security optimization aims to achieve secure user access control.

Answer: ABC

Sign

Note

194 .Which of the following packets are transmitted in unicast mode during IP address application by the DHCP client and IP address allocation by the DHCP server? (Multiple Choice)

- A. DHCP Offer
- B. DHCP Request
- C. DHCP Discover
- D. DHCPACK

Answer: AD

193 .During BFD session establishment between devices, which state is not involved?

- A. 2-way
- B. down
- C. in it
- D. up

Answer: A

192 .During the structured network troubleshooting process, in which of the following phases is the fault reported or advertised to other departments? (Multiple Choice)

- A. Fault identification
- B. Information collection
- C. Cause list
- D. Troubleshooting assessment

Answer: ABCD

191 .Which command is used to configure the VRRP preemption delay?

- A. vrrp vrid 1 preempt-timer 20
- B. vrrp vrid 1 preempt-mode timer delay 20
- C. vrrp vrid 1 timer delay 20
- D. vrrp vrid 1 preempt-delay 20

Answer: B

190 .To prevent inter-area routing loops, OSPF does not allow advertising routing information between two non-backbone areas and allows advertising routing information only within an area.

- A. TRUE
- B. FALSE

Answer: T

189 .Which of the following networks are involved during construction of a large enterprise network? (Multiple Choice)

- A. Backbone network
- B. Transport network
- C. Data center network
- D. Wireless network
- E. Storage network

Answer: ACD

188 .Which of the following statements regarding Router-LSA connection type (Type) is false?

- A. Point-to-Point describes about the Point-to-Point connection from the local router to a neighboring router.
- B. TransNet describes a connection from the local router to a transit network segment.
- C. StubNet describes a connection from the local router to a stub network segment.
- D. P2MP describes connections from the local router to multiple neighboring routers.

Answer: D

187 .Which are the two subfields in the port identifier of the uplink port on a non-root switch in RSTP?

- A. 1-byte port priority and 1-byte port number
- B. 1-byte port priority and 2-byte port number
- C. 2-byte port priority and 1-byte port number
- D. 2-byte port priority and 2-byte port number

Answer: A

186 .In OSPF, DR and BDR elected in a broadcast network listen on both 224.0.0.5 and 224.0.0.6.

- A. TRUE
- B. FALSE

Answer: T

185 .Which command is used to configure association between VRRP and a physical interface?

- A. vrrp vrid 1 track interface GigabitEthernet0/0/0
- B. track vrrp vrid 1 interface GigabitEthernet0/0/0
- C. vrrp vrid 1 interface GigabitEthernet0/0/0 track
- D. vrrp vrid 1 interface GigabitEthernet0/0/0

Answer: A

184 .BGP is an interdomain routing protocol.
Which of the following statements regarding BGP are true? (Multiple Choice)

- A. BGP uses a reliable transport protocol.
- B. BGP supports automatic neighbor discovery.
- C. BGP supports plaintext authentication.
- D. BGP supports rich routing policies.

Answer: AD

183 .Which of the following statements regarding IP address allocation are true? (Multiple Choice)

- A. All IP addresses on a network must be unique except when anycast is used.
- B. IPv4 addresses are classified into Classes A, B, and C.
- C. The mask length of /24 can simplify network design.
- D. Variable length subnet mask (VLSM) is often used for determining mask lengths to improve IP address efficiency.

Answer: AD

182 .Which of the following statements regarding OSPF external route types is false?

- A. OSPF includes Type 1 and Type 2 external routes.
- B. The cost of a Type 1 external route is the addition of the AS external cost and the AS internal cost (the cost from a router to an ASBR).
- C. The cost of a Type 2 external route is the AS external cost.
- D. A Type 2 external route is always preferred over a Type 1 external route when other conditions are the same.

Answer: D

181 .Which of the following events represent the end of the network planning stage?

- A. Project initiation
- B. Bid release
- C. Contract signing
- D. Preliminary project acceptance

Answer: B

180 .Which of the following trainings are transfer-to-maintenance trainings after project delivery? (Multiple Choice)

- A. Networking and configuration training
- B. Routine maintenance training
- C. Emergent troubleshooting training
- D. Management and security production training

Answer: ABC

179 .Which of the following statements regarding authentication in BGP configuration is true?

- A. All the routers in the same AS must use the same password.
- B. A pair of BGP peers must use the same plaintext password.
- C. All BGP peers of a router must use the same password.
- D. A pair of BGP peers must use the same MD5 password.

Answer: D

178 .For interzone packet filtering, which of following traffic is not transmitted in the outbound direction?

- A. Traffic from the DMZ to the untrusted zone
- B. Traffic from the trusted zone to the DMZ
- C. Traffic from the trusted zone to the untrusted zone
- D. Traffic from the trusted zone to the local zone

Answer: D

177 .For interzone packet filtering, which traffic is belong to transmitted to outbound direction?

- A. Trusted zone -> Untrusted zone
- B. Untrusted zone -> Trusted zone
- C. Untrusted zone -> DMZ
- D. Trusted zone -> Local zone

Answer: A

176 .If the number of checked goods is different from the number of goods on the packing list, you can unpack and inspect goods and then contact the vendor to handle the inconsistency

- A. TRUE
- B. FALSE

Answer: F

175 .DHCP snooping is a security feature that can be used to defend against various attacks, including: (Multiple Choice)

- A. Starvation attacks by changing the CHADDR field value
- B. Bogus DHCP server attacks
- C. TCP flag attacks
- D. Man-in-the-middle attacks and IP/MAC spoofing attacks

Answer: ABD

174 .To improve Internet egress reliability, an enterprise uses multiple links to connect to different carrier networks. This mode requires attention to both the incoming and outgoing traffic

- A. TRUE
- B. FALSE

Answer: T

173 .Preferences of routing protocols determine the sequence in which a router selects a route among routes to the same destination learned through different routing protocols.

- A. TRUE
- B. FALSE

Answer: T

172 .Which of the following tools cannot be used for route filtering?

- A. policy-based-route
- B. IP-prefix
- C. route-policy
- D. ip community-filter

Answer: A

171 .NFV and SDN depend on each other and must be used together.

- A. TRUE
- B. FALSE

Answer: F

170 .If Router Priority is set to 0 for a router, it is allowed to elect this router as a DR or BDR in an OSPF routing domain, but its priority is the lowest

- A. TRUE
- B. FALSE

Answer: F

169 .Which of the following statements regarding MPLS label encapsulation format are true? (Multiple Choice)

- A. The total length of an MPLS label is 4 bytes (32 bits).
- B. The TL field in an MPLS label has the same meaning as that in an IP packet, and can prevent loops.
- C. The S field in an MPLS label has 1 bit and is used to identify whether the label is the bottom-of-stack label. If the value is 1, the label is a penultimate-layer label.
- D. For Ethernet and PPP packets, a label stack is located between the Layer 2 packet header and data. If a VLAN tag is available, the label stack is placed before the VLAN tag.

Answer: AB

168 .Which of the following statements regarding different LSA types is false?

- A. DD packets contain only LSA summary information, including LS Type, LS ID, Advertising Router, and LS Sequence Number.
- B. LS Request packets contain only LS Type, LS ID, and Advertising Router.
- C. LS Update packets contain complete LSA information.
- D. LS Ack packets contain complete LSA information.

Answer: D

167 .Which of the following statements regarding multicast protocols is false?

- A. IGMP runs between receiver hosts and multicast routers, and defines the mechanism for creating and maintaining group membership between them.
- B. Distance Vector Multicast Routing Protocol (DVMRP) is a dense mode protocol. It defines a route hop count limit of 32.
- C. EM is a typical intra-domain multicast routing protocol and can operate in the dense mode (DM) or sparse mode (SM).
- D. MSDP can spread multicast routes across ASs.

Answer: D

166 .Which configuration modes are supported by VXLAN? (Multiple Choice)

- A. Virtualization software configuration
- B. SDN controller configuration
- C. SNMP configuration
- D. Automatic configuration

Answer: AB

165 .In a broadcast network, which mechanism is used in IS-IS to ensure neighbor relationship establishment reliability?

- A. Status synchronization
- B. Checksum
- C. Aging timer
- D. Three-way handshake

Answer: D

164 .In a complex network environment containing finance, OA, production, and more service systems, which of the following items is the first concern for troubleshooting?

- A. IP address assignment
- B. Network device model
- C. Data flow direction of each service system
- D. Equipment room environment

Answer: C

163 .Which of the following statements regarding the device running check is true?

- A. You can run the display memory-usage command to check the memory usage of the device. If the value of Memory Using Percentage Is exceeds 80%, pay attention to the mem
- B. You can run the display device command to check the running status of a board. If the board is online, the value of Online should be Present.
- C. You can run the display fan command to check the fan status. If the value of Present is NO, the fan is in normal state.
- D. You can run the display ftp-server command to check FTP ports. The FTP ports not in use should be recorded.

Answer: B

162 .Which of the following statements regarding the basic concept of link aggregation is false?

- A. Link aggregation bundles a group of physical interfaces together into a logical interface to increase bandwidth and improve reliability.
- B. Link aggregation complies with IEEE 802.3ad.
- C. Link Aggregation Group (LAG), also called trunk, refers to the logical link that is formed by bundling several physical links together.
- D. Link aggregation involves only the active interface.

Answer: D

161 .On the USC series firewall, which zone can be deleted by the administrator?

- A. Security zone
- B. Trusted zone
- C. Untrusted zone
- D. DMZ

Answer: A

160 .Multiprotocol Label Switching (MPLS) defined in IETF is a Layer 3 switching technology and consists of different devices. Which of the following devices is responsible for adding labels or deleting labels from packets?

- A. Label distribution router
- B. Label edge router (LER)
- C. Label switching router (LSR)
- D. Label transmission router

Answer: B

158 .According to BGP route selection rules, the manually summarized routes generated using the aggregate command are preferred over the automatically summarized routes generated using the summary automatic command.

- A. TRUE
- B. FALSE

Answer: T

159 .Which of the following LSA packets carries master/slave relationship information?

- A. Hello packet
- B. DD packet
- C. LSA Update packet
- D. LSA Request packet

Answer: B

157 .BGP routers establish peer relationships using UDP.

- A. TRUE
- B. FALSE

Answer: F

156 .Which of the following causes for VRRP group flapping is the most impossible?

- A. The link where VRRP Advertisement packets are transmitted changes from Up to Down frequently.
- B. The interval for sending VRRP Advertisement packets is small.
- C. Association between VRRP and BFD is configured to implement a rapid master/backup switchover.
- D. VRRP packets are discarded randomly because congestion occurs.

Answer: C

155 .Which of the following formulas is used to calculate availability?

- A. $MTBF/MTTR \times 100\%$
- B. $MTTR/MTBF \times 100\%$
- C. $(MTBF + MTTR)/MTBF \times 100\%$
- D. $MTBF/(MTBF + MTTR) \times 100\%$

Answer: D

154 .Which of the following statements regarding traffic policing is true? (Multiple Choice)

- A. Packets cannot be colored.
- B. Packets can be colored.
- C. The packets of which the rate is exceeded can be buffered.
- D. The packets of which the rate is exceeded cannot be buffered.

Answer: BD

153 .The Agile Controller is an automated control system for network resources. It provides a unified policy engine to realize unified access control policies within the entire organization, and implements 5W1H-based (user identity, access time, access location, device type, device source, and access mode) authentication and authorization.

- A. TRUE
- B. FALSE

Answer: T

152 .Huawei switches provide port isolation.

Which of the following statements regarding port isolation is false?

- A. You can configure Layer 2 and Layer 3 isolation or Layer 2 isolation and Layer 3 interworking.
- B. Huawei switches support 64 isolation groups numbered 0 to 63.
- C. If interface A is isolated from interface B, packets sent from interface A cannot reach interface B, but packets sent from interface B can reach interface A.
- D. FE interfaces, GE interfaces, XGE interfaces, and Eth-Trunks can be isolated from one another, but an interface cannot be isolated from itself or from the management interface unidirectionally. In addition, an Eth-Trunk cannot be isolated unidirectionally from its member interfaces.

Answer: B

151 .Compared with a three-layer network architecture, a two-layer network architecture has simple topology and high data forwarding efficiency. The network architecture will transform to the two-layer architecture, and the three-layer network architecture will be gradually phased out.

- A. TRUE
- B. FALSE

Answer: F

150 .Which of the following causes may result in an IS-IS neighbor relationship fault? (Multiple Choice)

- A. The devices on two ends of a link have the same system ID.
- B. The devices on two ends of a link have inconsistent IS-IS levels.
- C. When an IS-IS Level-1 neighbor relationship is established, the devices on two ends of a link have inconsistent area addresses.
- D. The IP addresses of interfaces on two ends of a link are on different network segments.

Answer: ABCD

149 .Which of the following causes will lead to a failure to establish BGP peer relationships?

- A. An ACL is configured to prohibit all TCP connections between two BGP neighbor.
- B. Two IBGP peers are not physically directly connected.
- C. BGP synchronization is enabled on fully-meshed IBGP peers
- D. Two BGP peers are configured with different routing Update intervals.

Answer: A

148 .Which of the following is not the limitation of traditional networks?

- A. The network protocol implementation is complex, and the O&M is difficult.
- B. The traffic path cannot be adjusted flexibly.
- C. The upgrade of new network services is slow.
- D. Different vendors' devices provide similar implementation, there is less difference in operation commands, and operations are easy.

Answer: D

147 .Which command is used to enable association between BFD and OSPF on all interfaces?

- A. bfd enable
- B. bfd all-interface enable
- C. all-interface bfd enable
- D. undo bfd all-interface disable

Answer: B

146 .On the network running STP, when the network topology changes, multiple topology change notifications are sent. How many types of RSTP TC BPDUs are defined?

- A. One
- B. Two
- C. Three
- D. Four

Answer: A

145 .The interface IP address and VRRP virtual IP address can be the same.

- A. TRUE
- B. FALSE

Answer: T

144 .Which of the following statements regarding well-known discretionary attributes are true? (Multiple Choice)

- A. All BGP routers must identify these attributes.
- B. These attributes must be transmitted between BGP peers.
- C. These attributes do not necessary to be carried in Update messages, and BGP routers can determine whether to carry them in Update messages.
- D. These attributes do not necessary to be transmitted between BGP peers.

Answer: ACD

143 .Which of the following statements regarding the characteristics of HA network are true? (Multiple Choice)

- A. Faults cannot occur frequently.
- B. Faults can be recovered rapidly.
- C. No fault occurs.
- D. When faults occur, services can be only restored manually.

Answer: AB

142 .Which of the following items is not the disadvantage of the traditional congestion avoidance mechanism (tail drop)?

- A. Global TCP synchronization
- B. High jitter and long delay
- C. High cost
- D. Packets are discarded without differentiating the priority

Answer: C

141 .Which of the following traffic can be mirrored through port mirroring? (Multiple Choice)

- A. Packets received by a port
- B. Packets sent by a port
- C. Packets received and sent by a port
- D. Packets discarded on a port

Answer: ABC

140 .Which of the following statements regarding the OSPF protocol is false?

- A. An ABR is connected to multiple areas and maintains the same LSDB for all areas.
- B. The metric of an AS-external-LSA can be specified during the import of external routes and defaults to 1.
- C. External routing information can carry a tag, the tag information is contained in a Type 5 or Type 7 LSA.
- D. The Link State ID in an ASBR-Summary-LSA is set as the router ID of this ASBR.

Answer: A

139 .Which of the following tests is not performed in the joint software commissioning?

- A. Connectivity test
- B. Standalone device test
- C. HA capability test
- D. Service performance test

Answer: B

138 .To provide differentiated services for different users, users or services are classified based on packet information such as the packet priority, source IP address, and port number.

Which QoS technologies are often used to implement classification?

- A. Traffic policing
- B. Complex traffic classification
- C. Congestion avoidance
- D. Congestion management

Answer: B

137 .The migration kick-off meeting is held to communicate with the customer about the project. Communication with other involved parties is not important.

- A. TRUE
- B. FALSE

Answer: F

136 .Which of the following statements regarding the physical topology monitoring function of eSight are true? (Multiple Choice)

- A. eSight displays the layout and status of NEs, subnets, and links on the GUI.
- B. eSight supports visualized monitoring of the network-wide running status.
- C. eSight displays the architecture of the entire network and relationship between network entities.
- D. The physical topology monitoring provides an entry for unified network monitoring, improving O&M efficiency.

Answer: ABCD

135 .In most cases, a risky operation solution can be reviewed and finalized one day before implementation.

- A. TRUE
- B. FALSE

Answer: F

134 .Employees in an enterprise often need to connect to the enterprise's intra net for remote access when going on business. Which of the following technologies can meet this demand?

- A. MPLS VPN
- B. IPSec VPN
- C. SSLVPN
- D. ISDN Dial-in

Answer: C

133 .Which of the following statements regarding DR/BDR are false? (Multiple Choice)

- A. All DR others establish neighbor relationships with DR and BDR only.
- B. In a broadcast network, DR and BDR must be elected. A broadcast network without a DR or BDR cannot operate normally.
- C. DR others listen on the multicast address 224.0.0.5.
- D. DR others listen on the network address 224.0.0.6.

Answer: ABD

132 .Which of the following items on the packing list need to be checked during unpacking and inspection? (Multiple Choice)

- A. Part number
- B. Part model
- C. Number of parts
- D. Project name

Answer: ABCD

131 .VPN models are classified into two types: overlay VPN and peer-to-peer VPN.

- A. TRUE
- B. FALSE

Answer: T

130 .RSTP provides multiple protection functions.

For example, when an edge port is configured to work in protection state, how does the edge port process the received BPDUs?

- A. The edge port forwards BPDUs.
- B. The edge port discards BPDUS.
- C. The edge port is shut down.
- D. The edge port parses BPDUs to obtain corresponding information.

Answer: C

129 .If the DHCP client IP address is not extended after 87.5% of the lease is reached, which packet is used by the client to extend the IP address lease?

- A. DHCP Discover broadcast packet
- B. DHCP Release unicast packet
- C. DHCP Request broadcast packet
- D. DHCP Request unicast packet

Answer: C

128 .Which of the following statements regarding ASBR-Summary-LSA is false?

- A. Link State ID indicates the router ID of an ASBR.
- B. Advertising Router indicates the router ID of an ABR.
- C. The Advertising Router fields in ASBR-Summary-LSAs of all areas are the same.
- D. Metric indicates the cost of routes from an ABR to an ASBR.

Answer: C

127 .Which of the following statements regarding isolation is false?

- A. Port isolation controls access between interfaces of switches.
- B. Port isolation prevents the computers connected to different interfaces from accessing each other.
- C. Port isolation can be configured based on VLANs.
- D. Port isolation is an isolation mechanism at the physical layer.

Answer: C

126 .MPLS implements data forwarding based on two different planes.

Which of the following statements regarding the forwarding mechanism are correct? (Multiple Choice)

- A. After an IP packet enters an MPLS domain, the device receiving the packet queries in the FIB table first.
- B. The system automatically assigns an ID to the upper-layer application that uses a tunnel. This ID is also called the tunnel ID.
- C. If the tunnel ID is 0x0, the MPLS forwarding process starts.
- D. If the tunnel ID is not 0x0, the normal IP forwarding process starts.

Answer: AB

125 .Which are the new requirements on the enterprise network stimulated by the mobility trend? (Multiple Choice)

- A. Unified wired and wireless management
- B. Consistent service experience anytime, anywhere
- C. Fast deployment of mobile applications
- D. Strict hierarchical networking

Answer: ABC

124 .When two BGP peers establish a TCP connection normal but their AS numbers and BGP versions are inconsistent, a BGP peer often sends a Notification message to disconnect the TCP connection after they establish a TCP connection and exchange some information. Which message will be identified as incorrect during negotiation in the Error Code of the Notification message?

- A. Route-refresh
- B. Open
- C. Keepalive
- D. Update

Answer: B

123 .Link aggregation bundles a group of physical interfaces to form a logical interface to increase the bandwidth. Link aggregation can work in manual load balancing mode and static LACP mode.

- A. TRUE
- B. FALSE

Answer: T

122 .In the ACL configuration command `ad [number] ad-number [match-order { auto | config }]`, the ad-number parameter specifies an ACL number. Which of the following is the range of basic ACL numbers?

- A. 1000-3999
- B. 2000-2999
- C. 3000-3999
- D. 0-1000

Answer: B

121 .Which of the following statements regarding AS_Path is false?

- A. AS_Path is a list of ASs that a BGP route passes through.
- B. AS_Path is a very important well-known mandatory attribute in BGP.
- C. BGP does not accept the routes whose AS_Path attribute contains the local AS number.
- D. When a router has two or more routes to the same destination, the router compares the AS_Path attributes of these routes and prefers the route with the longer AS_Path attribute.

Answer: D

121 .Which of the following statements regarding AS_Path is false?

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- C. BGP does not accept the routes whose AS_Path attribute contains the local AS number.
- D. When a router has two or more routes to the same destination, the router compares the AS_Path attributes of these routes and prefers the route with the longer AS_Path attribute.

Answer: D

120 .Which of the following statements regarding the MPLS forwarding process is false?

- A. If a LSP fails to forward data, the MPLS control plane responsible for LSP setup can detect this error.
- B. The main function of MPLS forwarding plane can add labels or delete labels from an IP packet, and forward the received packets based on the label forwarding table. The forwarding plane is connection-oriented.
- C. After an IP packet enters the MPLS network, the ingress LER will analyze the IP packet and add proper labels to the packet.
- D. MPLS can use Ping or Traceroute to detect LSP errors and locate faulty nodes.

Answer: A

119 .When two routers establish a logical BGP peer relationship over multiple physical links, the peer connect-interface command must be used.

- A. TRUE
- B. FALSE

Answer: T

118 .Which of the following is the purpose of access security optimization?

- A. To ensure that sensitive management information will not be intercepted.
- B. To prevent or reduce external network attacks and harm.
- C. To ensure secure access to key services.
- D. To achieve secure user access control.

Answer: D

117 .During follow-up operations of the structured network troubleshooting process, which of the following documents need to be transferred? (Multiple Choice)

- A. Troubleshooting intermediate documents
- B. Troubleshooting summary report
- C. Change backup and maintenance suggestions
- D. User communication plan

Answer: ABC

116 .Which of the following subsystems are involved in building cabling? (Multiple Choice)

- A. Horizontal subsystem
- B. Access subsystem
- C. Backbone subsystem
- D. Vertical subsystem
- E. Switching subsystem

Answer: AD

115 .Which command is used to enable association between BFD and OSPF on all interfaces?

- A. bfd enable
- B. bfd all-interface enable
- C. all-interface bfd enable
- D. undo bfd all-interface disable

Answer: B

114 .How is CAPEX defined?

- A. Cost expenditure
- B. Capital expenditure
- C. One-time expenditure
- D. Daily expenditure

Answer: B

113 .Multiple BGP processes cannot be configured on the same router.

- A. TRUE
- B. FALSE

Answer: T

112 .Ethernet supports broadcast. Once a network loop occurs, this simple broadcast mechanism will cause catastrophic consequences. Which of the following symptoms may be caused by a loop? (Multiple Choice)

- A. Users cannot log in to the device remotely.
- B. The display interface command output shows a large number of broadcast packets received on an interface.
- C. The CPU usage exceeds 70%.
- D. A lot of ICMP packets are lost in ping tests.

Answer: ABCD

111 .MSTP has different port roles.

Which statements are false?

- A. Other ports except the edge port participate in MSTP calculation.
- B. A port can function as different roles in different MSTIs.
- C. A regional edge port is located at the edge of an MST region and connected to ports of other MST regions or SSTs.
- D. The backup port functions as the backup of the root port, and provides a path from the designated bridge to the root bridge.

Answer: D

110 .Which of the following statements regarding the software and configuration backup is true?

- A. The software version needs to be backed up for multiple times for the same product and the same version.
- B. Licenses do not need to be backed up.
- C. After the device configuration changes, the configuration file does not need to be backed up.
- D. Backup is used to restore network functions in extreme cases.

Answer: D

109 .Which of the following information can be learned based on the industry background of the project?

- A. Common solutions in the industry
- B. Problems to be resolved by the project
- C. Organizational structure of customers
- D. Implementation scope of the project

Answer: A

108 .Which of the following statements regarding VRRP is false?

- A. The Virtual Router Redundancy Protocol (VRRP) is designed for networks with multicast and broadcast capabilities, such as Ethernet networks. VRRP ensures that the next hop router can be replaced by another router if it fails so that uninterrupted and reliable communication is guaranteed.
- B. When VRRP is used, the virtual router ID and virtual IP address need to be configured on the router, the MAC address of the master router is used, so a virtual router is added on the network.
- C. Hosts on the network communicate with the virtual router. There is no need to learn all information of physical routers on the network.
- D. A virtual router consists of one master router and several backup routers. The master router provides forwarding function. When the master router fails, a backup router becomes the new master router and takes over its work.

Answer: B

107 .On a Layer 2 switching network, devices forward data based on MAC addresses. Therefore, data filtering can be performed based on MAC addresses, and a firewall in transparent cannot filter out Layer 3 information in data packets.

- A. TRUE
- B. FALSE

Answer: F

106 .Which of the following commands can enable IS-IS on an interface?

- A. ip router isis 100
- B. router isis 100
- C. isis enable 100
- D. route isis enable 100

Answer: C

105 .The SDN controller can intelligently adjust traffic paths based on the network status, so that can improve the entire network throughput.

- A. TRUE
- B. FALSE

Answer: T

104 .Which of the following statements regarding the alarm is fault `SPF/Z/IFAUTFAIL(OID) [1.3.6.1.2.1.14.16.2.6]`: A packet is received on a non-virtual interface from a router whose authentication key or authentication type conflicts with the local authentication key or authentication type. (IfIpAddress= [ip-address], Add resslf=[interface-index], ProcessId = [process-id], RouterId = [router-id], PacketSrc=[source-ip-address], ConfigErrorType=[error-type], PacketType=[packet-type], InstanceName=[instance-name])?

- A. Incorrect interface authentication configuration
- B. Inconsistent Hello intervals
- C. Unmatched subnet masks
- D. Inconsistent area IDs

Answer: A

103 .Enterprise services have strict requirements for QoS in networks.

Which of the following counters can be used to indicate network QoS? (Multiple Choice)

- A. Stability
- B. Bandwidth
- C. Delay
- D. fitter
- E. Security

Answer: BCD

102 .Huawei enterprise network NMS eSight has three editions: simplified, standard, and professional. Unlike the standard edition, which of the following features is provided by the professional edition?

- A. Provide a database backup tool
- B. Support multi-user management
- C. Support management of the WLAN and MPLS VPN
- D. Support hierarchical management model

Answer: D

101 .Which of the following are migration difficulties? (Multiple Choice)

- A. Minimizing on services
- B. Achieving optimal risk prevention
- C. Formulating a complete migration solution
- D. Carrying out the migration smoothly

Answer: ABCD

100 .Which of the following statements regarding the network command in BGP is false?

- A. The routes injected using the network command must exist in the IP routing table.
- B. The routes injected using the network command must accurately match the mask length in the IP routing table.
- C. By default, BGP does not advertise any local route.
- D. The network command cannot be used together with corresponding policies.

Answer: D

99 .Which of following statements regarding LACP are true? (Multiple Choice)

- A. LACP is based on IEEE802.3au
- B. The local device sends LACPDUs to exchange information with the remote end.
- C. Devices at both ends determine the Active side based on the LACP system priority and system ID.
- D. Devices at both ends determine active interfaces based on the LACP priority and ID of the interface on the passive side.

Answer: BC

98 .Which of the following statements regarding virtual link is false?

- A. If a virtual link exists in a network, network design problems often exist and need to be optimized.
- B. The existence of virtual link increases network complexity.
- C. Virtual link may lead to loops.
- D. The interval for sending Hello packets on a virtual link is 10s.

Answer: D

97 .OSPF supports area authentication and interface authentication. If both authentication modes are configured, interface authentication takes preference over area authentication.

- A. TRUE
- B. FALSE

Answer: T

96 .Compared with traffic policing, traffic shaping uses queues to cache the traffic that exceeds the limit. Which of the following statements regarding traffic shaping is false?

- A. Compared with traffic policing, traffic shaping has good anti-burst capability
- B. Traffic shaping enables packets to be transmitted at an even rate
- C. Because queues are used, the delay is added when congestion occurs
- D. Compared with traffic policing, traffic shaping is more suitable for voice services

Answer: D

95 .Which of the following statements regarding PIM-DM is false?

- A. PIM-DM stands for Protocol Independent Multicast-Dense Mode. It is a dense-mode multicast routing protocol.
- B. PIM-DM assumes that each subnet on a network has at least one receiver station interested in the multicast source.
- C. PIM-DM uses the graft mechanism to restore multicast packet forwarding proactively.
- D. PIM-DM does not have periodic flood-prune processes.

Answer: D

94 .Which of the following authorization items is not required for risky operations?

- A. Management authorization
- B. Technology authorization
- C. Customer authorization
- D. Administrative authorization

Answer: D

93 .Which of the following statements regarding route selection tools is false?

- A. An access control list (ACL) matches routing information or addresses in data packets to filter out routes or data packets that do not meet matching conditions.
- B. An IP prefix matches destination addresses of routes or directly applies to a router object (gateway).
- C. An AS-Path filter matches the AS-Path attribute in BGP routes, so it can only filter BGP routes.
- D. A community-filter matches community attributes in BGP routes, so it can only filter BGP routes.
- E. A route-policy can only match routes and data packets, but cannot change route attributes or forwarding behaviors for data packets.

Answer: E

92 .Which of the following statements regarding QoS packet loss are false?

- A. When a router receives data packets, packet loss may occur because the CPU is busy and cannot process data packets.
- B. When data packets are scheduled to queues, packet loss may occur because the queue is full.
- C. When data packets are transmitted on a link, packet loss may occur because of link faults.
- D. Packet loss is generally caused by the delay, the tail drop packet loss may occur because of the queue is full.

Answer: D

91 .Which of the following statements regarding the STP configuration is true?

- A. STP automatically runs by default and therefore does not require configuration.
- B. The STP convergence speed is slow, which may cause network interruption. Therefore, disabling STP is a preferred solution.
- C. Similar to the implementation of routing protocols, data flows between switches can be adjusted by modifying link costs.
- D. For routine STP configuration, the position of the STP blocked port is controlled to ensure that the blocked port is not located on a backbone link or device.
- E. The RSTP algorithm is simple and reliable and supports fast convergence. Therefore, all switches on the network are configured to work in RSTP mode.

Answer: D

90 .MPLS VPN is used to solve some limitations of traditional VPN technology. Which are the major limitation that MPLS VPN solves?

- A. Private routes cannot communicate with each other.
- B. Leased lines are expensive.
- C. Bandwidth resources cannot be fully used.
- D. The address space is overlapping.

Answer: D

89 .Which of the following statements regarding MAC address spoofing attacks is false?

- A. Attackers initiate MAC address spoofing attacks using the MAC address learning mechanism.
- B. Attackers send data frames with forged MAC address to the switch to initiate MAC address spoofing attacks.
- C. When MAC address spoofing attacks occur, the switch may learn incorrect mapping between MAC addresses and IP addresses.
- D. When MAC address spoofing attacks occur, the switch may send packets to the attacker.

Answer: C

88 .Which of the following statements regarding PIM-SM Hello packets is false?

- A. On a PIM-SM network, multicast routers that have just started need to send Hello messages to discover neighbors and maintain neighbor relationships.
- B. Multicast routers periodically send Hello messages to each other to maintain communication.
- C. A DR is selected on a network segment based on Hello messages exchanged between routers.
- D. Hello messages are sent to multicast group address 224.0.0.5.

Answer: D

87 .According to BGP route selection rules, which is the correct Origin attribute priority order?

- A. EGP > Incomplete > IGP
- B. IGP > Incomplete > EGP
- C. IGP > EGP > Incomplete
- D. Incomplete > EGP > IGP

Answer: C

86 .The firewall and router can both implement security defense functions and replace each other.

- A. TRUE
- B. FALSE

Answer: F

85 .What is the broadcast domain of VXLAN called?

- A. Broadcast domain
- B. Switching domain
- C. Bridge domain
- D. VLAN domain

Answer: C

84 .During MSTP troubleshooting, the display current-configuration command is executed to obtain the configuration file of the device. Which of the following statements is false?

- A. Check the port configuration to verify that the MSTP-enabled port is configured (for example, using the bpdu enable command) to send protocol packets.
- B. The port connected to a user device has MSTP disabled or is configured as the edge port.
- C. The BPDU tunnel configuration has no impact on MSTP.
- D. Check whether the interface is added to the correct VLAN.

Answer: C

83 .On the USG series firewall, what is the security level of the DMZ?

- A. 5
- B. 50
- C. 85
- D. 100

Answer: B

82 .On a network running RSTP, some devices use STP.

When RSTP-enabled switches detect a topology change, which method is used by the RSTP-enabled switches to notify STP-enabled switches of the topology change?

- A. RSTP BPDUs with the TC are used.
- B. STP BPDUs with the TC are used.
- C. RSTP BPDUs with the TCA are used.
- D. STP BPDUs with the TCA are used.

Answer: B

81 .Which of the following command is used to apply the traffic policy to an interface on an AR router?

- A. traffic-policy p1 inbound
- B. traffic classifier p1 inbound
- C. traffic behavior p1 inbound
- D. services-policy p1 inbound

Answer: A

80 .Which of the following BGP attributes is Huawei's unique attribute?

- A. PrefVal
- B. MED
- C. AS_Path
- D. Origin

Answer: A

78 .Which of the following statements regarding IS-IS characteristics are true? (Multiple Choice)

- A. IS-IS supports various area features
- B. IS-IS packet format is simple
- C. IS-IS is suitable for large-capacity route transmission
- D. IS-IS has good scalability

Answer: BCD

79 .DHCP uses different types of packets to implement different functions.

Which of the following is the function of the DHCP Offer packet?

- A. The DHCP Offer packets are broadcast by the DHCP client to detect available servers
- B. The DHCP server sends DHCP Offer packets to respond to the DHCP Discover packets sent by the DHCP client, providing requested configuration parameters
- C. The DHCP client sends a DHCP Offer packet to the DHCP server to request configuration parameters, configuration acknowledgement, or extension of the IP address lease
- D. The DHCP server sends a DHCP Offer packet to the client, carrying configuration parameters, such as the IP address

Answer: B

77 .Congestion means that the service rate is reduced because of insufficient network resources Congestion avoidance technologies include RED and WRED.

- A. TRUE
- B. FALSE

Answer: T

76 .Which of the following statements is false?

- A. A device with a higher router priority has a higher election priority
- B. If two devices have the same router priority, the device with a larger router ID has a higher election priority
- C. If the current DR fails, the current BDR automatically becomes a new DR, and a BDR will be elected again
- D. When a router with the highest router priority joins an OSPF network, this router will become the new DR

Answer: D

75. Which three steps does a migration include? (Multiple Choice)

- A. Snapshot before the migration
- B. Delivery during the migration
- C. Check after the migration
- D. Attendance after the migration

Answer: ABC

74. Which of the following procedures are included in IS-IS route calculation? (Multiple Choice)

- A. Neighbor relationship establishment
- B. Route calculation
- C. Link information exchange
- D. Route advertisement

Answer: ABC

72. Which of the following is the purpose of management security optimization?

- A. To ensure that sensitive management information will not be intercepted.
- B. To prevent or reduce external network attacks and harm.
- C. To ensure secure access to key services.
- D. To achieve secure user access control.

Answer: A

71. Which of the following statements regarding BGP are false? (Multiple Choice)

- A. TCP provides an acknowledgement and retransmission mechanism for BGP.
- B. Before establishing a TCP connection, BGP devices need to exchange Update messages.
- C. BGP uses Notification and Update messages to establish and maintain peer relationships.
- D. BGP uses the TCP port 179 for communication.

Answer: BC

70. Which of the following causes may result in a BGP peer relationship fault? (Multiple Choice)

- A. An ACL is configured to disable TCP port 179.
- B. The peer router ID conflicts with the local router ID.
- C. The peer `ebgp-max-hop` command is not configured when loopback interfaces are used to establish the EBGP peer relationship.
- D. The peer `connect-interface` command is not configured when loopback interfaces are used to establish the BGP peer relationship.

Answer: ABCD

69. Which of the following statements regarding network maintenance work are true? (Multiple Choice)

- A. For device software maintenance, onsite operations are allowed but only remote operations are recommended.
- B. The device software running is closely related to services running on the device.
- C. The external environment where hardware runs does not need special attention.
- D. For device environment maintenance, maintenance personnel need to go to the site or even use some professional tools for observation and measurement.

Answer: BD

68. Which of the following statements regarding MUX VLAN is true?

- A. The MUX VLAN contains a principal VLAN and subordinate VLANs. The principal VLAN and subordinate VLANs cannot communicate.
- B. The MUX VLAN contains a principal VLAN and subordinate VLANs. The subordinate VLANs are classified into subordinate separate VLANs and subordinate group VLANs. The interfaces in the subordinate group VLAN can communicate with each other.
- C. The interfaces between subordinate separate VLANs can communicate with each other, but cannot communicate with the interfaces in the principal VLAN.
- D. The principal VLAN and subordinate VLANs cannot communicate.

Answer: B

73. How is OPEX defined?

- A. Maintenance cost
- B. Total cost of ownership (TCC)
- C. Operating cost
- D. O&M cost

Answer: C

67. On a large-scale network, some switches run MSTP and some switches run RSTP. If an MSTP switch detects that the neighboring switch works in RSTP mode, which mode does the MSTP switch work?

- A. STP
- B. RSTP
- C. MSTP
- D. Uncertain

Answer: C

66. Software upgrade operations are similar for huawei datacom products. Therefore, before a software upgrade, you only need to briefly read the upgrade guide.

- A. TRUE
- B. FALSE

Answer: F

65. What are the mainly methods of data collection? (Multiple Choice)

- A. Collection by physical optical splitter
- B. Collection through port mirroring
- C. Centralized collection by NMS
- D. Automatic collection

Answer: ABC

64. The project scope can be determined from three aspects. Which of the following is not included?

- A. Functions and modules to be realized by the project
- B. Geographic range of the network
- C. Investment budget of the project
- D. Responsibility division between the project and other matching systems

Answer: C

63. AR series routers provide various slots. Which of the following is not included?

- A. SIC
- B. WSIC
- C. HSIC
- D. XSIC

Answer: C

62. How many bits does an MPLS label field have?

- A. 8
- B. 3
- C. 1
- D. 20

Answer: D

61. Which of the following statements regarding VRRP fast switchover are false? (Multiple Choice)

- A. When association between VRRP and the BFD or EEM session is enabled and the BFD or EEM session status changes, the change is notified to the VRRP module, implementing VRRP fast switchover.
- B. A VRRP group cannot monitor the peer BFD session, link BFD session, and normal BFD session simultaneously.
- C. When the VRRP group is associated with a normal BFD session and the BFD session status changes, the priority of the VRRP group is changed to trigger the switchover. When the status of the monitored BFD session recovers, the priority of the router in the VRRP group is restored.
- D. If VRRP is configured to monitor multiple BFD sessions, the associations may affect services.

Answer: BD

60. During network design, VLANs are assigned in many ways. Which of the following ways is seldom adopted?

- A. VLAN assignment based on the access device type
- B. VLAN assignment based on the access location
- C. VLAN assignment based on security system requirements
- D. VLAN assignment based on service design

Answer: A

59. BFD is a universal fast detection technology that can implement fast switchover, so BFD does not need to be used with other fast switching technologies.

- A. TRUE
- B. FALSE

Answer: F

58. Which of the following statements regarding a route-policy are true? (Multiple Choice)

- A. A route-policy consists of multiple nodes, and each node can contain multiple if-match and apply clauses.
- B. An if-match clause defines the matching condition of the node, and an apply clause defines the routing behavior for the packets meeting the matching condition.
- C. The operator between if-match clauses under a node is AND. That is, packets match the node only when they match all the if-match clauses under the node.
- D. The operator between nodes of a route-policy is OR. That is, packets pass through the route-policy as long as they match one node.

Answer: ABCD

57. Which of the following statement regarding IBGP and EBGP peers is false?

- A. Two BGP-running routers must have IP connectivity if they need to establish a TCP connection.
- B. If two BGP peers exchanging BGP messages belong to the same AS, the two peers are IBGP peers.
- C. If two BGP peers exchanging BGP messages belong to different ASs, the two peers are EBGP peers.
- D. IBGP peers must be physically directly connected.

Answer: D

56. On the border between an enterprise network and its external network, which of the following devices is deployed at the outermost side of the enterprise network?

- A. IDS
- B. IPS
- C. FW
- D. VPN

Answer: C

55. When the virtual router responds to ARP Request packets, the actual MAC address of the master router is used.

- A. TRUE
- B. FALSE

Answer: F

54. Which of the following statements regarding OSPF authentication commands are true? (Multiple Choice)

- A. A ciphertext password can be entered, the effect is equivalent.
- B. The ospf authentication-mode md5 1 huawei command has the same function as the ospf authentication-mode md5 1 plain huawei command.
- C. When an authentication password is configured for area authentication and interface authentication separately, the password configured for area authentication takes effect.
- D. The ospf authentication-mode simple huawei command has the same function as the ospf authentication-mode simple plain huawei command.

Answer: AD

53. To inject IGP routes into BGP routes, you can only use the network command.

- A. TRUE
- B. FALSE

Answer: F

52. To improve STP running stability, a network administrator wants to configure some STP features or protection mechanism on switches. Which of the following configuration roadmaps is correct?

- A. Configure the user access port as an edge port to prevent the user from connecting to the switch on this port.
- B. Configure root protection on the user access port to ensure that the user does not connect to a switch with a higher priority.
- C. Configure loop protection on positions where loops have occurred so that loops are always blocked.
- D. Configure BPDU protection so that the switch checks the validity of each received BPDU to prevent attacks of forged BPDUs.

Answer: B

51. Which of the following operations is performed in the risky operation process?

- A. Solution formulation
- B. Authorization obtaining
- C. Technical review
- D. Implementation and result feedback

Answer: C

50. In the multicast network environment, how do an IGMPv2 host and an IGMPv1 router on the same LAN interact with each other? (Multiple Choice)

- A. The IGMPv1 router considers IGMPv2 Report messages invalid and ignores them.
- B. When the IGMPv1 router acts as an effective IGMP querier, the IGMPv2 host must send IGMPv1 Report messages to the router.
- C. When the IGMPv2 host detects that the IGMP querier is running IGMPv1, it must always respond to the querier with IGMPv1 Report messages.
- D. When the IGMPv2 host leaves the group, it still sends an IGMP leave message, and this message can not be suppressed.

Answer: ABC

49. Which of the following statements regarding the operation window time for a software upgrade is false?

- A. It is determined by the accepted service interruption duration.
- B. It must be longer than the upgrade execution time.
- C. Troubleshooting time must be reserved.
- D. Only network maintenance personnel need to be notified of the operation window time, while the customer does not.

Answer: D

48. Which of the following statements regarding OSPF neighbor relationship and adjacency is true?

- A. OSPF routers must establish an adjacency before exchanging information.
- B. Not all neighbors can establish adjacencies.
- C. Adjacencies are maintained using OSPF Hello protocol.
- D. Neighbor relationships are selected from adjacencies to exchange routing information.

Answer: B

47. After the project delivery, the O&M expenses are continuously generated. Which of the following items are the expenses generated during the O&M? (Multiple Choice)

- A. Energy expenses
- B. Line construction expenses
- C. Line lease expenses
- D. Equipment depreciation expenses
- E. Staff expenses

Answer: ACE

46. Which of the following LSAs are advertised only within a single area? (Multiple Choice)

- A. Router LSA
- B. Network LSA
- C. Summary LSA
- D. AS External LSA

Answer: AB

45. Switches run the MSTP protocol by default. Which of the following statements regarding the default status is true?

- A. All switches run in the same region by default.
- B. The STP calculation speed is faster than that when multiple instances are configured.
- C. Due to lack of configuration, all switches switch the running mode to RSTP.
- D. Each switch runs in an independent region.

Answer: D

44. Which of the following operations are performed during migration acceptance? (Multiple Choice)

- A. Documentation transfer
- B. Transfer-to-maintenance training
- C. Acceptance meeting
- D. Business expense accounting

Answer: ABC

43. By default, the OSPF interface cost depends on the interface bandwidth and is calculated using the following formula: Bandwidth-Reference/Bandwidth. The interface cost can only be calculated by OSPF and cannot be manually modified.

- A. TRUE
- B. FALSE

Answer: F

42. RSTP defines different ports compared with STP. Which of the following ports cannot work in forwarding state? (Multiple Choice)

- A. Root port
- B. Designated port
- C. Backup port
- D. Alternate port

Answer: CD

41. In the VRP, by default, after the export route policy of a BGP peer is changed, an Update message can be sent to this neighbor again only through a manual operation.

- A. TRUE
- B. FALSE

Answer: F

40. In a MPLS VPN network, two-layer MPLS labels are added into data packets before they are transmitted over the public network. Which of the following statements regarding data packet processing are true? (Multiple Choice)

- A. The penultimate hop removes the outer label before forwarding the data packet to a peer PE.
- B. The IP data packet received by the peer PE does not carry labels.
- C. The penultimate hop removes the outer label if the outer label in the data packet is explicit null label 3.
- D. The peer PE sends the data packet to the correct VPN based on the inner label.

Answer: AD

39. When the Hold Time parameter negotiated between two BGP peers is 0, no Keepalive messages will be sent.

- A. TRUE
- B. FALSE

Answer: T

37. Which of the following statements regarding the delay and jitter is true?

- A. The jitter is relevant to the delay.
- B. The jitter occurs because the E2E delays of data packets in the different flow are different.
- C. A long delay indicates a short jitter and a short delay indicates a large jitter.
- D. Jitter is independent of delay.

Answer: A

38. Single-packet attacks indicate that an attacker controls botnet hosts to send a large number of attack packets, causing link congestion on the attacked network and system resource exhaustion.

- A. TRUE
- B. FALSE

Answer: F

37. Which of the following statements regarding the delay and jitter is true?

- A. The jitter is relevant to the delay.
- B. The jitter occurs because the E2E delays of data packets in the different flow are different.
- C. A long delay indicates a short jitter and a short delay indicates a large jitter.
- D. Jitter is independent of delay.

Answer: A

36. Which of the following statements regarding selection of active links in static LACP mode are false? (Multiple Choice)

- A. In static LACP mode, after joining the Eth-Trunk, the member interfaces send the system priority, system MAC address, interface priority, and interface number to the remote end to negotiate active interfaces.
- B. A larger LACP system priority indicates a higher priority. The end with a larger LACP system priority functions as the Active side. If the two ends have the same LACP system priority, the end with a larger MAC address functions as the Active side.
- C. The passive side determines active interfaces based on the LACP priority and ID (interface number) of an interface on the Active side.
- D. Data can be forwarded normally even if both devices select different interfaces.

Answer: AC

35. The greatest difference between a Fat AP and a Fit AP is that a Fat AP provides access to more users, has higher performance, and is more applicable to large networks.

- A. TRUE
- B. FALSE

Answer: F

34. The SDN architecture mainly includes NBIs and SBIs.

- A. TRUE
- B. FALSE

Answer: F

33. Which of the following is the function of MPLS forwarding equivalence class (FEC)?

- A. The FEC determines forwarding of IP data packets on the MPLS ISP.
- B. The FEC determines establishment of LSPs.
- C. The FEC determines the mapping between LSPs and IP data packets.
- D. The FEC determines how label addition on LSPs.

Answer: C

32. Port isolation provides secure and flexible networking solutions for users. Which of the following statements regarding port isolation is false?

- A. Port isolation can be used for configuring Layer 2 isolation.
- B. By default, interfaces are isolated at Layer 2 but can communicate at Layer 3.
- C. Before the port isolation function takes effect on an interface, the port isolation function must be enabled.
- D. The port-isolate enable command can run in the system view.

Answer: D

31. Which of the following causes for a VRRP group two-master fault is the most impossible?

- A. The configurations of the devices in the VRRP group are different.
- B. The link where VRRP Advertisement packets are transmitted is faulty.
- C. The VRRP Advertisement packets received by the VRRP backup group with a lower priority are taken as invalid packets and are discarded.
- D. The master device sends a VRRP Advertisement packet every 1 second.

Answer: D

29.S7700 and S9700 switches are Huawei's modular campus switches. Compared with the S7700, what advantages does the S9700 have?

- A. The S9700 provides more slots and interfaces.
- B. The S9700 supports non-blocking data switching.
- C. The S9700 supports the redundancy design for engines, power modules, and fans.
- D. The S9700 provides data center features such as Transparent Interconnection of Lots of Links (TRILL) and Fibre Channel over Ethernet (FCoE).

Answer: B

30. Which of the following statements regarding OSPF intra-area or inter-area router roles are true? (Multiple Choice)

- A. An internal router is a router of which all the interfaces belong to the same area.
- B. An Area Border Router (ABR) is a router connected to one or more areas, one of which is the backbone area. ABRs function as gateways for inter-area communication.
- C. A backbone router is a router with at least two interfaces belonging to the backbone area.
- D. An Autonomous System Boundary Router (ASBR) can be an internal router, a backbone router, or an ABR.

Answer: ABD

28.In the OSPF protocol, the not-advertise parameter can be specified in the asbr-summary command to indicate that summarized routes that not be advertised.

- A. TRUE
- B. FALSE

Answer: T

27.Which of the following statements regarding the static LACP mode are false?

- A. If a high bandwidth of the link between two directly connected devices is required but the remote device does not support LACP, you can use the manual load balancing mode.
- B. In static LACP mode, a larger LACP priority of an interface indicates a higher priority of the interface and a high probability of becoming the active interface.
- C. The interface that forwards data is called the active interface, whereas the interface that does not forward data is called the inactive interface. The backup interface changes from inactive to active only when the active interface fails.
- D. When preemption is enabled and an active interface fails, the backup interface with a larger priority becomes the active interface after a delay. If preemption is disabled, the faulty interface cannot automatically become the active interface.

Answer: B

26.When a Huawei router serves as an SSH client and attempts to log in to another Huawei router, the login fails. It is suspected that the SSH server configuration is incorrect.

Which of the following causes is the most impossible for the server fault?

- A. The SSH protocol is not bound in the VTY user interface view.
- B. The user service type, authentication type, and user service type are not configured.
- C. The SSH server and client have inconsistent versions.
- D. The SSH first-time authentication function is disabled.

Answer: D

25.Which of the following items are used to remind customers of information security? (Multiple Choice)

- A. Account soft-out reminder
- B. Password update reminder
- C. Log protection reminder
- D. Data backup reminder

Answer: ABCD

24.What features must a risky operation solution have?(Multiple Choice)

- A. Accuracy
- B. Good operability
- C. Verification
- D. Rollback

Answer: ABCD

23. Which command is used to enable association between BFD and VRRP?

- A. vrrp vrid 1 track bfd-session session-name 1 reduced 100
- B. bfd-session vrrp vrid 1 track session-name 1 reduced 100
- C. track vrrp vrid 1 bfd-session session-name 1 reduced 100
- D. vrrp vrid 1 track bfd-session-name 1 reduced 100

Answer: A

22. Which of the following BGP attributes can define a set of destination addresses with the public characteristics?

- A. Origin
- B. Community
- C. AS_Path
- D. MED

Answer: B

21. Which of the following route selection tools can be used by other routing protocols in addition to BGP? (Multiple Choice)

- A. route-policy
- B. IP-prefix
- C. as-path-filter
- D. community-filter

Answer: AB

20. Which of the following commands can leak routes of Level-2 areas into Level-1 areas?

- A. import isis level-2 into level-1
- B. import-route isis level-2 into level-1
- C. advertise isis level-2 into level-1
- D. export isis level-2 into level-1

Answer: B

19. Man-in-the-middle attacks or IP/MAC Spoofing attacks are common on intra nets and will cause information leakage. Which configuration method can prevent these attacks?

- A. Configure the trusted or untrusted interface.
- B. Limit the maximum number of MAC addresses that can be learned on a switch interface.
- C. Configure DHCP snooping to check the CHADDR field carried in a DHCP Request packet.
- D. Configure association between DHCP snooping and IPSPG or DAI on the switch.

Answer: D

18. In the multicast network environment, how do an IGMPv1 host and an IGMPv2 muter on the same LAN interact with each other? (Multiple Choice)

- A. If any host on a LAN is running IGMPv1, all hosts on the LAN must also use IGMPv1.
- B. Membership Report messages sent from the IGMPv1 host will be received by the IGMPv2 muter.
- C. If the IGMPv1 is in a specific group, the IGMPv2 muter must ignore all Leave messages received from this group.
- D. The version 2 muter must set a countdown timer associated with the group that takes into account the presence of the version 1 host.

Answer: BCD

17. In most cases, an IP address that is dynamically assigned by a DHCP server has a lease.

Which of the following statements regarding the IP address lease is false?

- A. The lease renewal timer is 50% of the total lease. When the lease renewal timer expires, the DHCP server must renew the IP address lease.
- B. The rebinding timer is 87.5% of the total lease.
- C. If the rebinding timer expires but the DHCP client does not receive any responses from the DHCP server, the DHCP client keeps sending DHCP Request packets to the DHCP server which assigned an IP address to it before, until the total lease expires.
- D. If the DHCP client receives a DHCP NAK packet within the lease, the client stops using the current IP address immediately and returns to the initialization state. The DHCP client then applies for a new IP address.

Answer: C

16. MPLS performs different actions on labels. What is the meaning of the pop action?
- A. The top label is removed from the MPLS label stack.
 - B. The top label is added to the MPLS label stack.
 - C. The top label is replaced with another value.
 - D. The top label is replaced with the label of another group.

Answer: A

15. What happens when the topology of a network running RSTP changes?
- A. Packets are flooded on the entire network.
 - B. The aging time of MAC address entries is changed.
 - C. Some MAC address entries are deleted.
 - D. The entire MAC address table is deleted.

Answer: C

14. In the Agile Controller's access control scenario, which of the following statements regarding the roles of the RADIUS server and client is true?
- A. The Agile Controller integrates all functions of the RADIUS server and client.
 - B. The Agile Controller as the RADIUS server, while the user terminal as the RADIUS client.
 - C. The authentication device (such as a 802.1X switch) as the RADIUS server, while the user terminal as the RADIUS client.
 - D. The Agile Controller as the RADIUS server, while the authentication device (such as a 802.1X switch) as the RADIUS client.

Answer: D

13. Which of the following statements regarding the any-source multicast (ASM) and source-specific multicast (SSM) models are true? (Multiple Choice)
- A. In the SSM model, the receiver hosts have obtained the specific location of the multicast source in advance by other methods.
 - B. In the ASM model, receiver hosts cannot obtain locations of multicast sources in advance.
 - C. The SSM model and ASM model use the same multicast group address range.
 - D. In the SSM model, a multicast distribution tree is established directly between a multicast source and its receiver hosts.

Answer: ABD

12. VXLAN users can access the Internet through VXLAN interfaces.
- A. TRUE
 - B. FALSE

Answer: T

11. What are differences between the DiffServ and IntServ models? (Multiple Choice)
- A. The DiffServ model provides different services destined for different destinations.
 - B. The DiffServ model provides different services destined for different sources.
 - C. The DiffServ model does not need to maintain the status of each flow.
 - D. The DiffServ model applies to large-scale backbone networks.

Answer: CD

10. At which layer does a packet filtering firewall check data packets?
- A. Application layer
 - B. Physical layer
 - C. Network layer
 - D. Link layer

Answer: C

9. On a carrier's MPLS VPN network, PE1 and PE2 transmit data packets between VPNs. After PE1 receives VPN route 172.16.1.0/24 from a client, it converts the route into a VPNv4. When a client on PE2 accesses this route, what are the outer and inner labels in the packet transmitted over the carrier network?
- A. Outer label: 1027; inner label: 1025
 - B. Outer label: 1025; inner label: 1025
 - C. Outer label: 1027; inner label: 1027
 - D. Outer label: 1025; inner label: 1027

Answer: D

8. Which of the following statements regarding Huawei eSight network management software is false?
- A. Multiple users can be created for network management.
 - B. Users may be asked to log in to eSight from specified IP addresses in specific time ranges.
 - C. The administrator can force unauthorized login users to log out.
 - D. The login time of the administrator role also can be limited.

Answer: D

7. In a route-policy, which of the following BGP attributes can be used in if-match clauses? (Multiple Choice)
- A. Local-Preference
 - B. AS_Path
 - C. TAG
 - D. Community

Answer: BD

6. Which information of labels is used for simple traffic classification?

- A. DSCP priority
- B. IP precedence
- C. MPLS EXP priority
- D. 802.1p priority

Answer: C

5. Which of the following statements regarding the firewall zone security level is false?

- A. The default security level of the new zone is 1.
- B. Only the security level of the user-defined zone can be configured.
- C. The configured security level cannot be changed.
- D. Two zones cannot be configured with the same security level.

Answer: A

4. In the port mirroring, real and reliable data must be collected in real time.

- A. TRUE
- B. FALSE

Answer: T

3. RSTP provides different functions in different scenarios.

Which of the following statements are false?

- A. If the edge port on the switch enabled with BPDU protection receives RST BPDU, the switch sets the edge port as a non-edge-port and triggers STP calculation.
- B. The role of the designated port that is enabled with root protection cannot be changed.
- C. When the designated port enabled with root protection receives optimal RST BPDUs, the port enters the Discarding state and does not forward packets. If the port does not receive optimal RST BPDUs within a certain period of time, the port will automatically restore to the Forwarding state.
- D. RST BPDUs within a certain period of time, the port will automatically restore to the Forwarding state.
- E. After TC protection is enabled, you can set the number of times the switch processes TC BPDUs within a certain period.

Answer: A

2. Which of the following tasks need to be completed during the planning stage of a project? (Multiple Choice)

- A. Work out the technical design
- B. Know the project background
- C. Determine the model of network devices in the project
- D. Make clear the requirements of a project
- E. Plan IP addresses

Answer: BD

1. Two Level-1 routers in different areas can establish a neighbor relationship.

- A. TRUE
- B. FALSE

Answer: F