Passit4Sure.H12-221.160q

H12-221

HCNP-R&S-IERN (Huawei Certified Network Professional-Implementing Enterprise Routing Network)

i) Hi all, I've finished this one on 1st May. This dump is valid and this is complete.
ii) PASSED with outstanding and remarkable scores 95%.
iii) Every multiple choice question was exactly the same.
iv) Everything seems okay in this vce file so use this to prepare yourself thoroughly.

Exam A

QUESTION 1
Which of the following statements regarding the IP address 224.0.0.1 are correct? (Select 2 answers)

A. It is a multicast IP address
B. It is a private IP address
C. It represents all the hosts and routers
D. It represents all the routers

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
Which of the fallowings are OSPF packet types? (Select 3 answers)

A. LSA
B. LS Request
C. LSP
D. LS Update
E. LSAck

Correct Answer: BDE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
Which of the following statements is false?

A. Each OSPF router uses only one Router-LSA to describe the status of local links in an area.
B. Link types described by a Router-LSA include P2P, P2MP, TransNet, and StubNet.
C. A Network-Summary-LSA describes the metric routing of an ABR to a destination network segment.

D. Routing information can be exchanged between a backbone area and a non-backbone area but never between two non-backbone areas.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
In VRP, by default, a BGP router does not automatically send a refresh packet to its BGP peers for retransmitting an Update packet after the inbound routing policy of the BGP peers changes.

A. TRUE

B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
The vlink-peer command is used to specify a peer IP address for setting up a virtual link.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
ACL rules are matched based on the configured order only.

A. TRUE

B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
answer is affirmed.

QUESTION 7
A company reserves the network segment 172.29.100.0/26 for some remote small-scale sites. Each site has 5 IP devices to connect to this network segment.
Which of these Variable Length Subnet Masks (VLSMs) can be used to accommodate the need for minimum number of hosts?

A. /27

B. /28

C. /29

D. /30

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
to the point answer.

QUESTION 8
How does a BGP router process a received route whose next hop is unreachable?

A. The BGP router sends an error message to the router that has sent the update message.

B. The BGP router accepts the route and adds it to the BGP routing table. This route, however, is neither preferred nor added to the IP routing table for packet forwarding.

C. The BGP router refuses the route.

D. The BGP router accepts the route and adds it to the BGP routing table. This route participates in route selection and may be selected as the optimal route to be added to the IP routing table for packet forwarding.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
Which of the following statements regarding comparison between ACL and IP-Prefix are true? (Select 2 answers)

A. Both ACL and IP-Prefix can perform route filtering
B. Both ACL and IP-Prefix can perform data packet filtering
C. ACL can perform data packet filtering and route filtering, but IP-Prefix can only perform route filtering
D. IP-Prefix can perform data packet filtering and route filtering, but ACL can only perform route filtering

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
answer is appropriate,

QUESTION 10
One route-policy may have several nodes with each node containing a node ID. Each node may also have multiple "if-match" and "apply" clauses. Which of the following statements are true? (Select 2 answers)

A. Different nodes are in an OR relationship.
B. Different nodes are in an AND relationship.
C. If-match clauses of a node are in an AND relationship,
D. If-match clauses of a node are in an OR relationship.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
answer is rectified.

QUESTION 11
A failure in establishing a BGP connection can be addressed by checking the TCP connectivity and BGP peer configurations.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
What are the advantages of subnetting? (Select 2 answers)

A. Isolating broadcast traffic
B. Improving network QoS
C. Increasing the IP address usage
D. Improving network reliability

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
answer is confirmed.

QUESTION 13
Which of the following BGP attributes are well known mandatory attributes? (Select 3 answers)

A. ORIGIN
B. AS_PATH
C. NEXT_HOP
D. MED
E. LOCAL_PREF
F. COMMUNITY

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
Which of the following BGP attributes cannot be advertised to other neighboring AS?

A. LOCAL_PREF
B. AS_PATH
C. COMMUNITY
D. ORIGIN

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
Which of the following BGP attributes can prevent routing loops? (Select 3 answers)

A. Originator_ID
B. Aggregator
C. Cluster_List
D. AS-Path

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
OSPF directly runs over the IP protocol as protocol number 89.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:

QUESTION 17
Which of the following BGP attributes is an optional transitive attribute?

A. ORIGIN
B. AS_PATH
C. NEXT_HOP
D. MED
E. LOCAL_PREF
F. COMMUNITY

Correct Answer: F
Section: (none)
Explanation

Explanation/Reference:
fabulous answer.

QUESTION 18
Which of the following multicast protocols can generate multicast distribution trees?

A. MBGP
B. MSDP
C. IGMP
D. PIM

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
Which of the following statements are correct regarding how OSPF detects old or duplicate LSAs? (Select 3 answers)

A. The lower the sequence number, the more recent the LSA.

B. The smaller the LS age, the more recent the LSA.

C. A router uses 0x80000001 as the sequence number when it generates the first LSA.

D. An LSA can be flushed from the routing domain by setting its LS age to equal the Maxage.

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:
to the point answer.

QUESTION 20
What is the maximum number of bits that can be used for subnetting, when the netork address is a Class C address?

A. 6

B. 8

C. 12

D. 14

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
Which of the following statements belong to BGP community attribute? (Select 3 answers)

A. NO_EXPORT

B. NO_ADVIERTISE

C. LOCAL_EXPORT_SUBCONFED

D. NO_BROADCAST

Correct Answer: ABC
Section: (none)

Explanation

Explanation/Reference:
accurate answer.

QUESTION 22
A broadcast and an NBMA network, each having two or more routers, must have both DR and BDR.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
In which of the following states do BGP peers refuse to initiate or accept connection requests?

A. Established
B. OpenSent
C. Active
D. Idle

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
Which of the following routing protocols support import-route? (Select 3 answers)

A. OSPF
B. RIP
C. BGP

D. Static

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
What is the default network mask length of 219.25.23.56?

A. 8
B. 16
C. 24
D. 32

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
The ABR of an NSSA does not advertise Type-4 and Type-5 LSAs to an NSSA instead it imports external routes into the NSSA,

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
Each router running OSPF has a router ID which is a 32-bit integer to uniquely identify a router. Therefore, the router IDs must be different even if the routers are in different ASs.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
The import-route limit" command is used to set a maximum number of imported routes that can be imported into an OSPF routing process.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
authenticated.

QUESTION 29
Which statements regarding the local preference attribute are true? (Select 2 answers)

A. Based on BGP route selection rules, the local preference has a lower priority than the preferred- value which means BGP compares local preference of routes after comparing preferred-values.
B. The local preference of a BGP route is 0 by default.
C. The local preference selects an exit point for data from the local AS
D. Based on BGP route selection rules, the local preference has a lower priority than the MED attribute which means that BGP compares local preference of routes after comparing MED.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
An IP address 192.168.13.175 with the subnet mask 255.255.255.240 can be assigned to a device.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
Which of the following statements regarding stub areas is false?

A. An AS-external-LSA cannot be advertised into a stub area.
B. The ABR in the stub area generates a default route to enable packet forwarding destined for other areas.
C. Transit area cannot be a stub area.
D. Any area can be configured as a Stub area.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
Which type of message is periodically exchanged between BGP peers to keep the BGP connection alive?

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

Correct Answer: D

QUESTION 33
A company has four departments. Department A has SO PCs, Departments B and C both have 20 PCs, and Department D has 30 PCs. Assuming the IP address 192.168.1.0/x is used, which of the following statements are true if the VLSM technology is employed for subnetting? (Select 2 answers)

A. Plan subnet 192.168.1.0/25 for Department A. The range of host addresses is 1 to 126.
B. Plan subnet 192.168.1.128/27 for Department B. The range of host addresses is 129 to 159.
C. Plan subnet 192.168.1.160/27 for Department C. The range of host addresses is 161 to 190.
D. Plan subnet 192.168.1.192/27 for Department D. The range of host addresses is 192 to 222.

Correct Answer: AC

QUESTION 34
Which of the following statements regarding ACL type are true? (Select 3 answers)

A. ACL consists of basic ACL, advanced ACL and interface-based ACL
B. ACL ranging from 2000 to 2999 belongs to advanced ACL
C. ACL ranging from 3000 to 3999 belongs to advanced ACL
D. Advanced ACL can be used to match either destination address or source address

Correct Answer: ACD

QUESTION 35
Which BGP attribute is usually used to determine the path along which data flows to an AS?

A. Router ID
B. Nexthop
C. Local-Preference
D. MED

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
okay.

QUESTION 36
A Router ID is optional in the OSPF configuration.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 37
Which of the following BGP filters can be used to set route attributes?

A. Ip-prefix
B. Route-policy
C. As-path-filer
D. Community-filter

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

proper answer.

QUESTION 38
Why is BGP run by core routers in transit AS?

A. To eliminate route loops
B. To ensure the transmission of data packets to the external destination addresses
C. To optimize network within an AS
D. To ensure only one export

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
Which of the following commands is used to display check information about the IGMP enabled interface?

A. [Quidway]show ip igmp interface
B. [Quidwayjdisplay igmp interface
C. [Quidway]show ip igmp
D. [Quidwayjdisplay ip interface

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
fabulous answer.

QUESTION 40
Assume that the subnet mask is 255.255.255.248. Which of the following are valid host addresses? (Select 3 answers)

A. 192.168.200.87
B. 196.123.142.190
C. 223.168.210.100
D. 220.100.100.154

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
You are using the address space 172.28.100.0/24. If the subnet mask 172.28.100.0/30 is used to subnet this address space to serve WAN links, how many total subnets can the address space be divided into?

A. 30
B. 64
C. 126
D. 254

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
How many bits of the MAC address space is available for mapping IP multicast addresses?

A. 24
B. 22
C. 25
D. 23

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
valid answer.

QUESTION 43
All routing protocols can deliver default routes, supporting both forcible delivery and non-forcible delivery.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 44
BGP speakers sends which type of message to identify its peer's AS number information?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45
OSPF supports two authentication modes: area authentication and interface authentication. These two modes cannot be configured at the same time.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46
Which of the following elements together uniquely identify a LSA? (Select 3 answers)

A. LS type
B. Link state ID
C. Advertising Router
D. LS Sequence number

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
Which of the following messages exist only in PIM-SM? (Select 2 answers)

A. Join/Prune
B. Assert
C. Bootstrap
D. Register

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 48
BGP is an exterior gateway protocol which runs between ASs. It focuses on the control of route propagation and selection of optimal routes rather than discovery and calculation of routes.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 49
What is the mask value for the network 175.25.128.0/19?

A. 255.255.0.0
B. 255.255.224.0
C. 255.255.24.0
D. Different based on the address type

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 50
An IP-prefix-filter is used for filtering IP prefixes and data packets.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
Which of the following statements about OSPF neighbor state transition are true? (Select 3 answers)

A. The neighbor state transitions from "Loading" to "Full" when a LoadingDone event occurs.

B. The neighbor state transitions from the "Exstart" to "full" when a Negotiation Done event occurs.
C. The neighbor state transitions from the "Exchange" to "Full" when an ExchangeDone event occurs.
D. The neighbor state transitions from "Exchange" to "Loading when an ExchangeDone event occurs.

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:
to the point.

QUESTION 52
Which of the following statements regarding a multicast distribution tree are true? (Select 3 answers)

A. Multicast distribution trees are classified into two types: SFT and RPT.
B. The PIM-SM protocol can generate both RFTs and SPTs.
C. The PIM-55M protocol can generate only SFTs.
D. The PIM-DM protocol can generate both RFTs and SFTs.

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 53
Which of the following commands is used to display the IGMP routing table?

A. display igmp group
B. display igmp interface
C. display igmp routing-table
D. display igmp

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 54
We can have different network segments in an OSPF area. We can also have same network segment in different OSPF areas.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 55
What is the maximum number of hosts that a network segment 192.168.2.16/28 can support?

A. 16
B. 8
C. 15
D. 14
E. 7

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
All right.

QUESTION 56
If the value of hold timers in the Open messages sent by Peer A and Peer B are 180s and 90s respectively, then what is the interval at which the Keepalive messages are sent after a BGP connection is established between these two peers?

A. 180s
B. 90s
C. 60s
D. 30s

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 57
Which of the following statements are correct regarding OSPF Network LSAs? (Select 2 answers)

A. Network LSAs are generated by ABR.
B. Only the router which is connected to NBMA or Broadcast Network may generate Network LSAs.
C. DR uses Network LSAs to describe routers that have established adjacency with it in the network,
D. Network LSAs are flooded in the entire AS.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
to the point answer.

QUESTION 58
Which of the following tools cannot be used for route filtering?

A. Filter-policy
B. IP-prefix
C. Route-policy
D. Policy-based-route

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 59

A BGP finite state machine has the following states:
Active
OpenConfirm
Idle
Established
OpenSent

What is the state transition sequence to establish a successful BGP peer relationship?

A. Idle-OpenSent-OpenConfirm-Active-Established

B. Idle-Active-OpenSent-OpenConfirm-Established

C. Active-Id le-OpenSent-OpenConfirm-Established

D. Idle-Active-OpenConfirm-OpenSent-Established

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
okay.

QUESTION 60
How does community attribute of the BGP route set by routing policies affect route selection?

A. The Community attribute directly affects route selection because it must be compared during the route selection process.

B. The Community attribute does not affect route selection because it is non-transitive and cannot be transmitted between routers.

C. Routes are classified by the Community attribute which indirectly affects route selection. Different route attributes such as the Local-Preference and MED values can be set for routes in different communities.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 61
Which port number is used by BGP to establish a TCP connection?

A. 520

B. 89
C. 179
D. I80

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 62
What are the functions of route filtering? (Select 3 answers)

A. Avoids sub-optimal routes generated during route import,
B. Avoids routing loops.
C. Affects route selection by changing route attributes.
D. Implements accurate route importing and controls route advertisement.

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 63
ACLs can match routing information or data packet addresses to filter unmatched routing information or data packets.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
IGP routes can be installed into the BGP routing table by running either the network or import-route command.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
What is the function of well-known community attribute NO_EXPORT_SUBCONFED in BGP?

A. Routes received carrying this value cannot be advertised outside of the confederation.
B. Routes received carrying this value cannot be advertised to any BGP peers.
C. Routes received carrying this value cannot be advertised to any EBGP peers.
D. All above statements are wrong

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 66
CORRECT TEXT
What is the link-state ID of an ASBR-Summary-LSA?

The OSPF Router ID of an LSA's originator
The Interface IP address of the DR on the described network segment The address of the described network segment
The Router ID of the described ASBR

A.
B.
C.

D.

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
D

QUESTION 67
What is the network address for the IP address 190.233.27.13/16?

A. 190.0.0.0
B. 190.233.0.0
C. 190.233.27.0
D. 190.233.27.1

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 68
Which of the following statements are correct regarding BGP attributes? (Select 2 answers)

A. Till now, there are 16 BGP attributes
B. BGP attribute can be extended to 256 types
C. Well known discretionary attribute may not be included in each BGP update message, such as origin attribute
D. AS_PATH is an optional transitive attribute

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 69
Which of the following statements are true if a BGP peer is configured with "multiple" route selection tools for route filtering? (Select 2 answers)

A. The routes received from the BGP peer are first matched with IP-prefix and then with route-policy.
B. The routes received from the BGP peer are first matched with route-policy and then with IP-prefix.
C. The routes sent to the BGP peer are first matched with IP-prefix and then with route-policy.
D. The routes sent to the BGP peer are first matched with route-policy and then with IP-prefix.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 70
The NBMA mode doesn't function if all the routers in the network are not fully connected.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
Which of these statements is false when using the import-route command to import routes into BGP?

A. The import-route command can import IGP routes, direct routes, and static routes into BGP.
B. A process ID must be specified if OSPF routes or RIP routes are imported into BGP.
C. By default, the origin attribute of imported routes is IGP.
D. Routing policies filters the routes imported from other routing protocols.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
Which types of packets are supported by BGP? (Select 3 answers)

A. Hello
B. Notification
C. Update
D. Route-refresh

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 73
How many multicast IP addresses can be represented by an IP multicast MAC address?

A. 1
B. 23
C. 32
D. 24

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 74
Which of the statements describes how BGP updates routes?

A. Broadcasts all routes periodically
B. Update all routes periodically using multicast addresses

C. Updates only changed and new routes

D. Updates routes on BGP peer requests

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 75
Which of these addresses are reserved for use by multicast applications?

A. Class A

B. Class B

C. Class E

D. Class D

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 76
Which statement about OSPF is false?

A. Hello messages are used as a form of greeting to discover other routers on its networks and establish relationships between neighboring devices. On broadcast or NBMA networks, Hello messages can also be used to elect a DR or a BDR.

B. DD packets describe the summary LSDB information by carrying LSA headers.

C. The intervals at which two routers send Hello messages must be consistent; otherwise, cannot be established relationships between neighboring devices.

D. DD packets contain headers of all LSAs for periodic LSDB synchronization between OSPF neighbors.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 77
Which statements regarding the range of AS number are true? (Select 3 answers)

A. If 2-byte AS values are supported, the private AS number ranges from 32768 to 65535.
B. If 2-byte AS values are supported, the private AS number ranges from 64512 to 65535.
C. If 2-byte AS values are supported, the AS number ranges from 1 to 65535.
D. If 4-byte AS values are supported, then the 4-byte AS number is in the x.y format. Here, "x" and "y" are integers ranging from 1 to 65535 and 0 to 65535 respectively.

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 78
Which of the following route selection tools is used in multiple routing protocols, can be configured with match conditions, and consists of if-match and apply clauses?

A. AS-path-filter
B. IP-prefix
C. Route-policy
D. Community-filter

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
On a broadcast network or an NBMA network, not all neighbors need to set up adjacencies with each other. Therefore, the concept of establishing adjacency is applicable only to the broadcast network or the NBMA network.

A. TRUE

B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 80
What are the differences between the IGMP versions 1, 2 & 3? (Select 2 answers)

A. IGMPv1/v2 cannot elect devices which may send queries but IGMPv3 can.
B. IGMPv2/v3 members can actively leave groups, whereas in IGMPv1members cannot
C. IGMPv1/v2 do not support the SSM service model but IGMFV3 does.
D. IGMPv1/v2 do not support group-specific queries but IGMPv3 does.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
BGP is an inter-AS routing protocol. Which statements regarding BGP are true? (Select 3 answers)

A. BGP adopts a reliable transmission layer protocol,
B. BGP supports automatic peer discovery.
C. BGP supports incremental route updates,
D. BGP supports various routing policies.

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 82
Which of the following route prefixes match the IP-prefix-filter given below?

"ip ip-prefix test index 10 permit 10.0.0.0 16 greater-equal 24 less-equal 28" (Select 3 answers)

A. 10.0.1.0/23
B. 10.0.1.0/24
C. 10.0.1.0/25
D. 10.0.1.0/28

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 83
To which attribute type does the BGP AS-Path attribute belong?

A. Well -known Mandatory
B. Well-known Discretionary
C. Optional Transitive
D. Optional Non-transitive

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 84
A company has four departments. Department A has 80 PCs, Departments B and C both have 20 PCs, and Department D has 30 PCs. Assuming the IP address 192.168.1.0/x is used, which of the following statements are true if the VLSM technology is employed for subnetting? (Select 2 answers)

A. Plan subnet 192.168.1.0/25 for Department A. The range of host addresses is 1 to 126.
B. Plan subnet 192.168.1.128/27 for Department B. The range of host addresses is 129 to 159.
C. Plan subnet 192.168.1.160/27 for Department C. The range of host addresses is 161 to 190.

D. Plan subnet 192.168.1.192/27 for Department D. The range of host addresses is 192 to 222.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 85
Which of the following statements regarding NSSA commands is false?

A. The default-route-advertise command is used to generate a type-7 default route.
B. The no-import-route parameter prevents the import of AS external routes in the form of Type-7 LSAs into an NSSA.
C. The no-summary parameter prevents the advertisement of Type-3 and Type-4 LSAs in an area.
D. The set-n-bit parameter indicates that an N-bit will be set in a DD packet.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 86
If there are two BGP routes with the same destination address but different next hops in a BGP routing table, then which statement regarding the two BGP routes is true?

A. Both BGP routes are advertised to other BGP peers.
B. Only the optimal route between the two is advertised to other BGP peers.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 87
The Internet Group Management Protocol (IGMP) runs between hosts and their immediately neighboring multicast routers.

A. TRUE

B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
For link-state routing protocols, filtering inbound routes cannot block the transmission of link-state information. The filtering effect means that routes cannot be injected into the local routing table but neighbors can still receive complete route state information and calculate complete routes.

A. TRUE

B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
Unlike Stub area, an NSSA supports Type-5 LSAs.

A. TRUE

B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
appropriate answer.

QUESTION 90
Which of the following situations will occur when the command "multicast bad balance" is configured? (Select 3 answers)

A. If there exists no unicast equal-cost routes, multicast load balancing fails.

B. If group address-based load splitting is employed, balanced distribution of entries over equal-cost routes cannot be ensured due to hash function limitations.

C. Balanced distribution of entries over equal-cost routes can be ensured as long as multicast load balancing is performed.

D. During multicast load splitting, traffic may not be balanced among equal-cost routesbecause multicast load balancing is based on multicast entries not multicast data packets.

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
Which of the following routers can initiate SFT switchover on a PIM-SM network? (Select 2 answers)

A. Last-hop router

B. Intermediate router

C. RP

D. Source's DR

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 92
Which of the following conditions must be met for importing routes into BGP using the network command? (Select 2 answers)

A. The routes must be optimal in the IP routing table.

B. The routes do not need to match the specified mask length.

C. The routes must match the specified mask length.

D. The routes must be IGP routes.

Correct Answer: AC

Section: (none)
Explanation

Explanation/Reference:

QUESTION 93
Which of the following concepts should a network administrator know while using VLSM technology for subnetting? (Select 3 answers)

A. A subnet is composed of only summarized routes.
B. A subnet can address a host or be further subnetted.
C. The routing updates must carry subnet mask information.
D. The summarized networks must have the same high-order bit.

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 94
A network administrator is required to construct a small-scale network containing only 22 hosts. The ISP has provided only a single public IP address that is to be used as the egress address. Which of the following addressing schemes can be used to plan such a network?

A. 10.11.12.16/28
B. 172.31.255.128/27
C. 192.168.1.0/28
D. 209.165.202.128/27

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 95
ABRs advertise link state information about non-backbone areas into backbone areas. The backbone area then advertises the routing information into other non-

backbone areas. Link state information about the backbone area cannot be advertised into non-backbone areas.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 96
The BGP community attribute is a well-known mandatory attribute.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
answer is exact.

QUESTION 97
Over a working TCP connection, what is the state of the BGP peer relationship if the peer AS number configured for a BGP router is inconsistent with the AS number of its BGP peer?

A. Idle
B. Active
C. OpenSent
D. Established

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 98
Which command triggers the advertisement of BGP routes without interrupting a BGP connection?

A. Reset bgp
B. Refresh bgp all external
C. Refresh bgp all internal
D. RR-filter

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 99
Which of the following statements are false? (Select 3 answers)

A. ASBR-Summary-LSAs describe the route to an ASBR and are flooded within an AS.
B. ASE-LSAs describe the route to an external AS and are flooded to an external AS.
C. AS-external-LSAs do not belong to any particular OSPF area,
D. The Type-1 external metrics include only the AS external metric.

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 100
Routes 172.1.12.0/24, 172.1.13.0/24, 172.1.14.0/24, and 172.1.15.0/24 can be summarized into route 172.1.8.0/21.

A. TRUE
B. FALSE

Correct Answer: A

QUESTION 101
Which of the following routes matches the ACL filter given below?

"acl number 2001
rule 0 permit source 1.1.0.0 0"

A. 1.1.1.1/32
B. 1.1.1.0/24
C. 1.1.0.0/16
D. 1.0.0.0/8

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 102
What does the IP-prefix-filter "ip ip-prefix test index 10 deny 0.0.0.0 0 less-equal 32" mean?

A. Matching only default routes
B. Matching all routes
C. Denying only default routes
D. Denying all routes

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 103
Which of the following statements is false?

A. An ABR maintains a separate LSDB for each area it is attached to. ABRs have multiple LSBDs.
B. Metric, an ASE LSA parameter, can be specified when an external route is imported with 1 as its default value.
C. The externally-derived routing information carries a tag for transmitting additional information of the route which is commonly used in a routing policy. The default value of the Tag label is 0.
D. The Link State ID is the Router ID of the ASBR for type 4 LSAs.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 104
Which of the following statements is false?

A. The Type-1 external metric is the sum of the external metric and the internal cost to reach an ASBR.
B. The Type-2 external metric uses only the AS external metric.
C. The metric of an external route is the sum of the AS external metric and the AS internal metric.
D. The effects of setting Forwarding Address to a non-zero value is that the next hop of the external route imported into OSPF is within the OSPF routing area.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 105
Which of these statements is true when configuring MD5 authentication between BGP peers?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 106
Which of the following statements regarding DR in PIM protocol are true? (Select 3 answers)

A. In DR election, the router with the lowest IP address is elected among the routers of the same DR priority..
B. A source's DR sends Register messages to an RP.
C. A receiver's DR is sends Join messages to a multicast source or an RP.
D. An Assert winner on a shared network segment may not be a DR.

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 107
The defined route-policy set-cost configurations are:
ip ip-prefix 1 permit 10.1.0.0 16
route-policy Set-cost permit node 10
if-match ip-prefix 1
apply cost 300
route-policy Set-cost permit node 20
apply cost 200

Which of the following statements is true?

A. The route 10.1.0.0/16 matches node 10 and its cost is set to 300.
B. The route 10.1.0.0/16 matching node 10 also matches node 20 and its final cost is set to 200.
C. Costs of all routes will be set to 200.
D. All routes that fail to match node 10 will be denied.

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:

QUESTION 108
Which of the following route entries match the IP-Prefix defined below?

ip ip-prefix test index 10 permit 192.168.0.0 16 greater-equal 24 less-equal 28 (Select 2 answers)

A. 192.168.1.0/24
B. 192.10.2.0/24
C. 192.168.3.0/25
D. 192.168.4.0/30

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
answer is good.

QUESTION 109
Which of the following attributes must exist in the BGP update messages? (Select 3 answers)

A. LOCAL_PREF
B. NEXT_HOP
C. ORIGIN
D. AS_PATH

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 110
In OSPF protocol, Different types of networks cannot establish an adjacency with each other in the Full state.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 111
The unicast and multicast technologies are both outstanding in solving the problem of "single source, multiple destinations" in order to allow efficient P2MP data transmission.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 112
Which of the following connection types can a Router LSA describe? (Select 3 answers)

A. Point-to-point
B. Star
C. Transit
D. Virtual link

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:
answer is superb.

QUESTION 113
Which of the following describes the relationship between BGP and AS?

A. BGP only runs between ASs, and cannot run within an AS.
B. BGP is an EGP used by ASs to exchange routing information with other ASs.
C. BGP builds network topologies by exchanging link-state information between ASs.
D. BGP cannot run between ASs.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 114
When running in non-broadcast networks, OSPF uses one of the two modes: NBMA or P2MP.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 115
Which of the following is a private AS number?

A. 65410-65535
B. 1-64511
C. 64512-65535
D. 64511-65535

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
answer is sensual.

QUESTION 116
By default, the cost of an OSPF interface is calculated based on the bandwidth. The formula to calculate the cost is reference bandwidth/interface bandwidth.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 117
The route selection tool route-policy" can set and filter BGP attributes based on pre-defined conditions. Therefore, this tool is often used to define policies towards a BGP peer or during route generation.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 118
The default-route originate command in the RIP protocol advertises a default RIP route to the peers. When using this command, which of the following attributes can be set for the default route?

A. Tag
B. Cost
C. Interface

D. Nexthop

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 119
We can prevent a router from ever becoming a DR or BDR by configuring an OSPF Priority of zero,

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
valid.

QUESTION 120
Which of the following elements are used by Network LSA to describe broadcast or NBMA network segments in OSPF routing protocol? (Select 3 answers)

A. Link ID
B. Net mask
C. Attached Router list
D. Metric

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 121
Based on BGP route selection rules, how are Origin attributes listed in descending order of priority?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 122
Which statement regarding BGP is false?

A. BGP runs over TCP.
B. BGP is an enhanced distance-vector routing protocol.
C. BGP uses port number 189.
D. BGP is an inter-AS routing protocol.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
definite answer.

QUESTION 123
Which of the following elements are used to describe a single link in OSPF routing protocol? (Select 3 answers)

A. Link ID
B. Data
C. Network Mask
D. Metric

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:
answer is approved.

QUESTION 124
Which of the following is used to avoid routing loops in BGP?

A. Use ORIGIN attribute to record the origin of the route.
B. Use AS_PATH attribute to record all AS areas that a route passes.
C. Use NEXTJHOP attribute to record next hop path
D. Use MED attribute to influence export selection of other Ass

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
genuine answer.

QUESTION 125
An Autonomous System (AS) is a set of routers under the control of one technical administration that presents a common routing policy.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 126
Based on BGP route selection rules, the route with the lowest local preference is preferred.

A. TRUE
B. FALSE

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:

QUESTION 127
Which of the following subnet masks can be used to divide a Class C network into 5 subnets, with each subnet containing a maximum of 20 hosts?

A. 255.255.255.192
B. 255.255.255.240
C. 255.255.255.224
D. 255.255.255.248

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
answer is sophisticated.

QUESTION 128
Which of following BGP attributes is used to define a set of prefixes with same properties?

A. Origin
B. Nexthop
C. Community
D. MED

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
verified answer.

QUESTION 129
Which of the following statements is false?

A. A Router-LSA describes the local link state information of a router.
B. A Network-LSA describes the link state information of a broadcast network or an NBMA network segment.
C. A virtual link is a virtual adjacency in the backbone area (Area 0).
D. An AS-external-LSA describes the means to reach an ASBR.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
justified answer.

QUESTION 130
How does an IGMP router maintain group memberships on a network? (Select 2 answers)

A. The router maintains a timer for each group membership which it refreshes for hosts that send report messages and deletes the group membership of hosts that do not.
B. The router periodically sends Query messages. After a receiver host receives the Query message, the receiver host sends a Report message.
C. A receiver host periodically sends a Report message.
D. The router deletes a group membership only when it receives a Leave message for this group.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
answer is confirmed.

QUESTION 131
What is the default LOCAL_PREF and PREFERRED-VALUE assigned to routes in a VRP system?

A. 0,32768
B. 100,0
C. 255,100
D. 32768,0

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 132
Which of the following route entries matches ACL 2001 that is defined below?

1.0.0.0/8,1.2.0.0/16,1.2.3.0/24,1.2.4.0/24,1.2.5.0/24, 1.2.6.0/24,1.2.7.0/24,1.2.8.0/24 ACL 2001
Basic ACL 2001,1 rule
Ad's step is 5
rule 0 permit source 1.2.0.0 0.0.254.255

A. 1.2.3.0/24,1.2.4.0/24, 1.2.5.0/24, 1.2.6.0/24,1.2.7.0/24,1.2.8.0/24
B. 1.0.0.0/8 ,1.2.0.0/16,1.2.3.0/24,1.2.4.0/24,1.2.5.0/24, 1.2.6.0/24,1.2.7.0/24,1.2.8.0/24
C. 1.2.3.0/24,1.2.5.0/24,1.2.7.0/24
D. 1.2.0.0/16,1.2.4.0/24,1.2.6.0/24,1.2.8.0/24

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
proper answer.

QUESTION 133
The process of determining the shortest path can be divided into two phases: determine transit node first, and then determine the stub network.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
okay.

QUESTION 134
An ACL is a series of orderly rules composed of permit deny clauses. Which of the following attributes cannot be used for defining an ACL rule?

A. Source address

B. Destination address

C. Port number

D. AS-Path

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 135
Which statements regarding prerequisites to establish a BGP peer relationship are true? (Select 2 answers)

A. BGP peers must be manually configured.

B. A TCP connection must be established between two neighboring routers.

C. BGP peers must exchange routing information.

D. MD5 authentication must be configured between BGP peers.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
answer is to the point.

QUESTION 136
How many hosts are available per subnet if you apply a /21 mask to the class B network?

A. 510

B. 512

C. 1022

D. 2046

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
real answer.

QUESTION 137
Which of the following is the address range assigned by IANA for SSM service in IPv4?

A. 232.0.0.0/24
B. 225.0.0.0/8
C. 232.0.0.0/8
D. 239.0.0.0/8

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
answer is nice.

QUESTION 138
Based on BGP route selection rules, the route with the lowest multi-exit discriminator (MED) is preferred.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
finest answer.

QUESTION 139
The ospf dr-priority value ranges from 0 to 255 and is 64 by default.

A. TRUE
B. FALSE

Correct Answer: B

QUESTION 140
Which methods can be used to import local routes into BGP? (Select 2 answers)

A. Run the network command,
B. Receive routes from peers.
C. Run the summary automatic command.
D. Run the import command.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
accurate answer.

QUESTION 141
How many hosts can the network 154.27.0.0 support, if not subnetted?

A. 254
B. 1024
C. 65,534
D. 16,777,206

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 142
A OSPF network may be structured, or subdivided into routing areas. Such routing areas are a set of network segments.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
proper answer.

QUESTION 143
Which session is established between BGP peers?

A. Telnet
B. Send Hello packet
C. UDP
D. TCP

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 144
Default routes between routers are a low-cost solution because they are easy to configure and requires less system resources when compared with maintaining a complete routing table.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
straight answer.

QUESTION 145
Only Router-LSAs and Network-LSAs are involved in intra-area route calculations.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 146
Which of the following network link type is not the basic network link type defined in OSPF?

A. P2P
B. P2MP
C. Broadcast
D. Virtual link

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
answer is acceptable.

QUESTION 147
In the process of calculating SPF tree, the cost from a given node to its root node is equal to the metric listed in the Router LSA generated by the node.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 148
Which of the following IP addresses can be used on a public network? (Select 2 answers)

A. 172.30.0.1/16
B. 127.254.11.15/16
C. 172.15.12.7/16
D. 193.168.10.4/16

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
obvious answer.

QUESTION 149
A router can be configured to run only one BGP routing process.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
All right.

QUESTION 150
Generally, the performance of an IP-prefix-filter is greater than that of an ACL.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
valid answer.

QUESTION 151
Given a Class B network 155.16.0.0 with the mask 255.255.255.192, what is the maximum number of subnets that can be created, and what is the maximum number of hosts available within each created subnet?

A. 512 126
B. 1024 64
C. 1024 62
D. 256 254
E. 192 254

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
real answer.

QUESTION 152
Route importing can be used when multiple routing protocols run on different networks and these networks need to share routing information.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 153
Which of these is a valid VLSM subnet obtained by subnetting the network address 172.29.100.0/16?

A. 172.29.100.8/28
B. 172.29.100.32/28

C. 172.29.100.60/28

D. 172.29.100.104/28

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 154
Which of the following protocols support default route advertisement? (Select 3 answers)

A. RIP

B. OSPF

C. BGP

D. Static

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:
genuine answer.

QUESTION 155
The peer connect-interface" command is recommended to establish peer relationships between two routers connected through "multiple" links.

A. TRUE

B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 156

An OSPF neighbor relationship fails to establish and the OSPF error information is displayed as follows. Which of the following is most likely the cause?

A. Router IDs conflict.
B. Area IDs are mismatched.
C. Network masks are inconsistent.
D. Authentication types are inconsistent.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
okay.

QUESTION 157
The most remarkable characteristic of OSPF is that it can support the link-state algorithm.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 158
Which of the following statements regarding the Reverse Path Forwarding (RPF) mechanism are true? (Select 2 answers)

A. Multicast RPF does not depend on unicast routing.
B. All multicast protocols adopt the RPF mechanism.
C. A router discards the received multicast packets if the RPF check fails.
D. The RPF mechanism has two functions: It prevents multicast routing loops and the forwarding of redundant multicast packets.

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 159
Which of the following statements about a neighbor state machine is true?

A. The Attempt state appears only on an NBMA network or a broadcast network.
B. The Attempt state appears only on an NBMA network or a P2MP network.
C. LSR packets can be sent in the Exchange state.
D. The Full state indicates that LSDB synchronization is complete. No LSDB information will be exchanged.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 160
Which of the following methods are supported by OSPF for delivering default routes? (Select 3 answers)

A. Delivery using an ABR
B. Delivery using a backbone router
C. Forcible delivery
D. Non-forcible delivery

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference: