Free Questions for H31-161 by certsinside

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Question 1

Question Type: MultipleChoice

If a (*, G) entry exists in the RP, which of the following statements about the source registration

process are true in PIM-SM?

Options:

A- The first hop DR connecting to the source encapsulates received multicast data into PIM registration information and unicasts the encapsulated information to the RP.

B- The first-hop DR connecting to the source sends received multicast data to the RP hop by hop.

C- The RP decapsulates registration information and uses RPT to send data packets to be sent to the multicast group to the outbound interface.

D- The RP sends an (S, G) Join message hop by hop to the first hop DR connected to the multicast source to add the multicast source to the SPT.

E- The RP unicasts a registration stop message to the first hop router connected to the multicast source.

Answer:

A, C, D, E

Question 2

Question Type: MultipleChoice

In PIM-SM, how does each router learn the location of the RP?

Options:

A- The router of the RP multicasts RP set information to all PIM routers.

B- The BSR multicasts RP set information hop by hop to all PIM routers.

C- The candidate RP router unicasts RP information to the BSR.

D- The BSR unicasts RP set information hop by hop to all routers

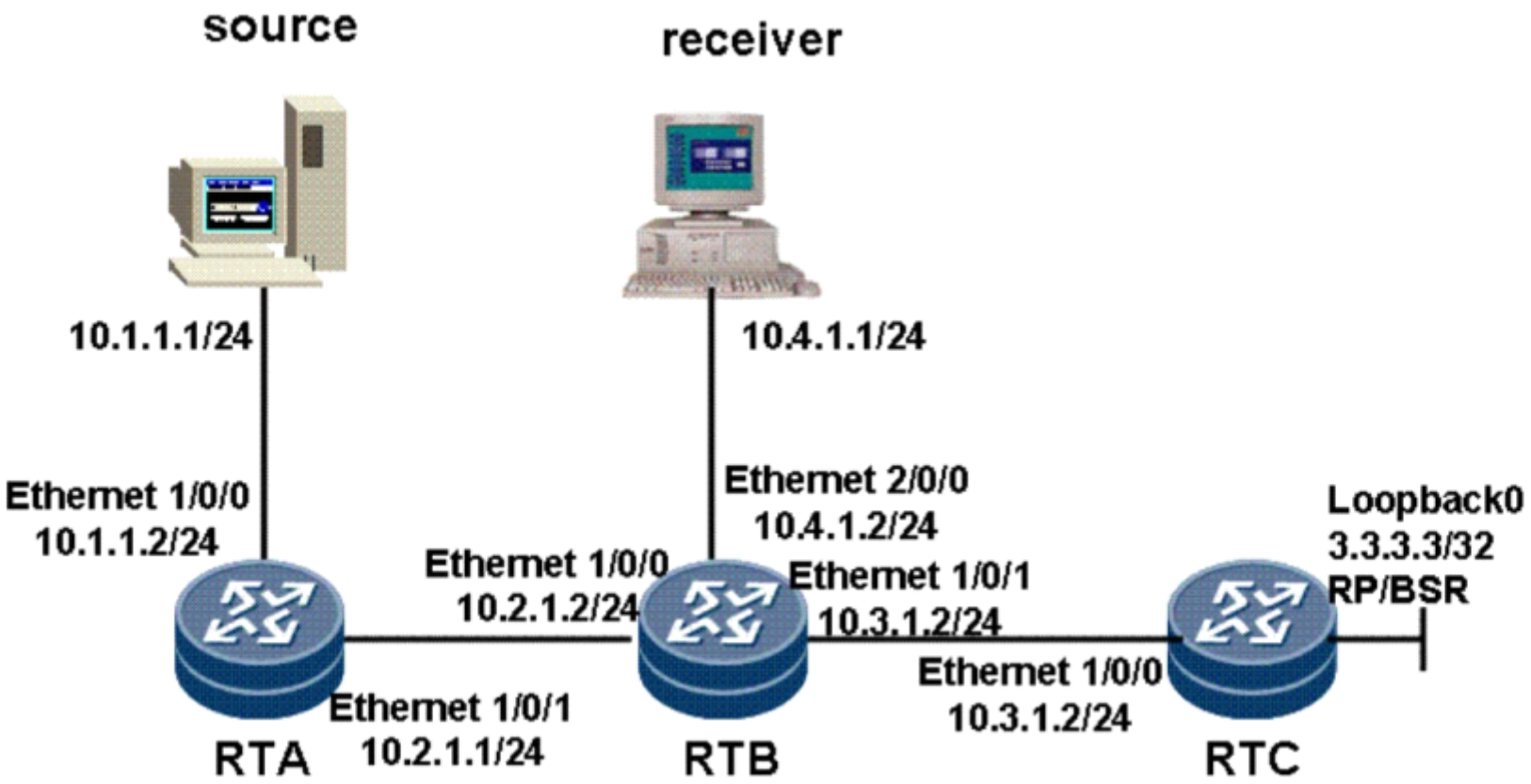
Answer:

B, C

Question 3

Question Type: MultipleChoice

As shown in the figure, RTA, RTB, and RTC use the OSPF protocol. The default cost value is used for links, and unicast routes converge on the entire network. The Loopback 0 interface is set to configure RTC as the RP or BSR. The SPT switching threshold uses the default value on RTB. The receiver joins the multicast group 225.1.1.1. The multicast source sends multicast data to the destination address 225.1.1.1. Which interface is the inbound interface in the (10.1.1.1, 225.1.1.1) entry on RTB?



Options:

A- Ethernet 1/0/0

B- Ethernet 1/0/1

C- Ethernet 2/0/0

D- Null

Answer:

A

Question 4

Question Type: **MultipleChoice**

#

pim

c-rp Ethernet6/2/0

timer hello 100

state-refresh-interval 10

state-refresh-ttl 60

Interface Ethernet6/2/0Ip address 20.1.1.3 255.255.255.0

Pim timer hello 45

Pim dm

#

Which of the following statements are false?

Options:

A- If the PIM-DM is enabled at Ethernet 6/2/0 on a router, the PIM-SM cannot be enabled at other interfaces on the router.

B- Ethernet 6/2/0 sends a PIM hello message every 100 seconds.

C- The TTL value is 60 in state-refresh messages sent by the router.

D- Ethernet 6/2/0 sends a state-refresh message every 10 seconds.

Answer:

B, D

Question 5

Question Type: MultipleChoice

In PIM DM, which of the following statements about state-refresh message processing are true?

Options:

A- State-refresh messages are generated only on the DRs that directly connect to multicast sources.

B- Only state-refresh messages received by the RPF interface may be forwarded.

C- If an interface with the (S, G) entry is an assert loser, state-refresh messages are not forwarded to the interface.

D- If an interface with the (S, G) entry is in the prune state, state-refresh messages are not forwarded to the interface.

E- State-refresh messages carry the (S, G) assert and prune status of downstream interfaces.

Answer:

B, C, E

Question 6

Question Type: MultipleChoice

In PIM-DM, which of the following scenarios about sending Join messages is true?

Options:

A- The leaf router in the idle state receives host Join messages.

B- The router receives prune messages of the RPF neighbor from other routers when it is receiving data from the upstream.

C- The intermediate router receives graft messages from the downstream router when all downstream interfaces of the intermediate router are in the prune state.

D- The router receives state-refresh messages.

Answer:

B

Question 7

Question Type: MultipleChoice

[Quidway]multicast routing-enable

[Quidway]interface Ethernet10/1/0

[Quidway-Ethernet10/1/0]igmp enable

[Quidway-Ethernet10/1/0]igmp robust-count 4

[Quidway-Ethernet10/1/0]quit

[Quidway]igmp

[Quidway-igmp]timer query 100

[Quidway-igmp]robust-count 3

The default IGMP query interval is 60s and the default query response interval is 10s. If Ethernet 10/1/0 receives an IGMP Report message, how long is the timeout interval for creating a group

record?

Options:

A- 310s

B- 250s

C- 410s

D- 130s

Answer:

C

Question 8

Question Type: **MultipleChoice**

#

interface Ethernet6/1/1

ip address 40.1.1.4 255.255.255.0

igmp prompt-leaveigmp enable

pim sm

#

IGMP interface group report information of VPN-Instance: public net

Ethernet6/1/1(40.1.1.4):

Total 1 IGMP Group reported

Group: 224.1.2.3

Uptime: 00:00:32

Expires: 00:04:38

Last reporter: 30.1.1.30

Last-member-query-counter: 0

Last-member-query-timer-expiry: off

The preceding information shows the configurations of Ethernet 6/1/1 and entries created based on received IGMPv2 Report messages. Which action does Ethernet 6/1/1 perform after receiving Leave messages for group 224.1.2.3?

Options:

A- Sends group-specified query messages for group 224.1.2.3.

B- Deletes the record of group 224.1.2.3.

C- Both A and B are correct.

D- Neither A nor B is correct.

Answer:

B

Question 9

Question Type: MultipleChoice

display igmp group

IGMP interface group report information of VPN-Instance: public net

Ethernet6/1/1(40.1.1.1):

Total 1 IGMP Group reported

Group: 232.0.0.1

Uptime: 00:00:22

Expires: off

Last reporter: 40.1.1.3

Last-member-query-counter: 0

Last-member-query-timer-expiry: off

Group mode: include

Source list:

Source: 20.1.1.56

Uptime: 00:00:22

Expires: 00:05:08

Last-member-query-counter: 3

Last-member-query-timer-expiry: 00:00:01

Source: 20.1.1.57

Uptime: 00:00:22

Expires: 00:00:17

Last-member-query-counter: 3

Last-member-query-timer-expiry: 00:00:01

The preceding information shows the entry states in the IGMP interface table on Ethernet 6/1/1.

Which statement is true when IGMP sends source/group query messages?

Options:

A- IGMP sends two messages. In one message, the multicast source is 20.1.1.56 and the S flag is not configured. In the other message, the multicast source is 20.1.1.57 and the S flag is set to 1

B- IGMP sends two messages. In one message, the multicast source is 20.1.1.56 and the S flag is set to 1. In the other message, the multicast source is 20.1.1.57 and the S flag is not configured.

C- IGMP sends one message in which the multicast sources are 20.1.1.56 and 20.1.1.57 and the S flag is set to 1.

D- IGMP sends one message in which the multicast sources are 20.1.1.56 and 20.1.1.57 and the S flag is not configured.

Answer:

B

Question 10

Question Type: MultipleChoice

display current-configuration

multicast routing-enable

#

acl number 2000

rule 5 permit source 225.0.0.0 0.0.0.255

#

interface Ethernet6/1/0

ip address 10.1.1.1 255.255.255.0

igmp enable

pim sm

#

igmp

#

pim

ssm-policy 2000

#

return

The preceding are partial multicast router configurations. Which of the following configurations

are required to configure the SSM Mapping on Ethernet 6/1/0 and map IGMPv2 Report messages for multicast group 225.0.0.1 to multicast source 2.2.2.2?

Options:

A- ssm-mapping 225.0.0.0 255.255.255.0 2.2.2.2

B- igmp on-demand

C- igmp prompt-leave

D- igmp ssm-mapping enable

Answer:

A, D