Free Questions for 4A0-108

Shared by Sherman on 20-10-2022

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Question 1

Question Type: MultipleChoice

Click the exhibit.

Source Address	Group Address	Sap/Sdp Id	Svc Id	Fwd/Blk
*	*	sdp:1000:500	Local	Fwd
*	239.1.1.1	sap:1/1/4	Local	Fwd
		sdp:1000:500	Local	Fwd
*	239.2.2.2	sap:1/1/4	Local	Fwd
*	239.2.2.2	sap:1/1/3	Local	Fwd
		sdp:1000:500	Local	Fwd

Which of the following BEST describes the multicast LAN?

Options:

A- There are no active sources in the LAN.
B- There is one active source for 239.1.1.1, and two active sources for 239.2.2.2.
C- The devices on SAP 1/1/4 and SDP 1000:500 have issued joins for 239.1.1.1.
D- There is a router on SDP 1000:500.

Answer:

D

Question 2

Question Type: MultipleChoice

How many responses are received when a router sends an IGMP version 3 query to a specific multicast group with 6 active receivers on the local broadcast domain?

Options:

A- 1
B- 2
C- 6
D- 7

Answer:

C

Question 3

Question Type: MultipleChoice

Click the exhibit.

```
configure router mcac
  policy "mCac_1"
    bundle "bundle_1" create
      bandwidth 6000
      channel 239.1.1.1 239.1.1.2 bw 2000 type mandatory
      channel 239.1.1.3 239.1.1.4 bw 2000
      no shutdown
    exit
    bundle "bundle_2" create
      bandwidth 6000
      channel 239.1.1.5 239.1.1.6 bw 2000 class high type mandatory
      channel 239.1.1.7 239.1.1.8 bw 2000
      no shutdown
    exit
    default-action discard
  exit
```

```
configure router igmp
  interface toReceiver
    mcac
     policy "mCac_1"
     unconstrained-bw 10000 mandatory-bw 6000
    exit
  exit
exit
```

Based on the configuration, channels 239.1.1.1, 239.1.1.2, 239.1.1.3 and 239.1.1.5 have already been established. What happens when this router receives an IGMP report to join group 239.1.1.6?

Options:

A- The router tears down channel 239.1.1.3 first, and then establishes a new channel for 239.1.1.6.

B- The router tears down either channel 239.1.1.1 or 239.1.1.2 first, and then establishes a new channel for 239.1.1.6.

C- No existing channel is torn down, and the new channel for 239.1.1.6 is established as there are

enough resources.
D- The new channel 239.1.1.6 cannot be established, and a log is generated.

Answer:

D

Question 4

Question Type: MultipleChoice

Which of the following about the signaling of multicast group information in an MVPN service is TRUE when MPLS P2MP tunnels are used?

Options:

A- BGP Auto-Discovery is used for the signaling of the PMSIs, while either mLDP or RSVP-TE P2MP is used for the signaling of customer multicast group membership.
B- Either BGP Auto-Discovery or PIM is used for the signaling of the PMSIs, while either mLDP or RSVP-TE P2MP is used for the signaling of customer multicast group membership.
C- BGP Auto-Discovery is used for the signaling of the PMSIs, as well as for the signaling of customer multicast group membership.
D- BGP Auto-Discovery is used for the signaling of the PMSIs, while either BGP Auto-Discovery or PIM is used for the signaling of customer multicast group membership.

Answer:

C

Question 5

Question Type: MultipleChoice

What is the first action a router performs when it receives a multicast packet?

Options:

A- It determines if it is the DR for that segment.
B- It checks the PIM source group database for the matching group.
C- It sends a PIM Assert message to the RP.

D- It performs an RPF check on the packet.
E- It sends an IGMP join to the source.

Answer:

D

Question 6

Question Type: MultipleChoice

Which of the following PIM messages are sent towards the RP? (Choose two)

Options:

A- (*, G) Join/Prune
B- (S, G) Join/Prune
C- Register Stop
D- (S, G, rpt) Join/Prune

Answer:

A, D

Question 7

Question Type: MultipleChoice

Which of the following describes UMH (Upstream Multicast Hop) selection?

Options:

A- It is the process of finding the remote PE connected to the C-root of the multicast tree.
B- It is the process of finding the remote CE connected to the C-root of the multicast tree.
C- It is the RPF check for the multicast traffic received from remote PEs in the MVPN
D- It is the RPF check for the multicast traffic received from local CEs in the MVPN

Answer:

A

Question 8

Question Type: MultipleChoice

Click the exhibit.

```
*A:PE# show router bgp routes mvpn-ipv4 type spmsi-ad detail
===============================================================
BGP MVPN-IPv4 Routes
===============================================================
Route Type      : Spmsi-Ad
Route Dist.     : 65100:1
Originator IP   : 1.1.1.1
Source IP       : 192.168.1.2
Group IP        : 239.1.1.1
Nexthop         : 1.1.1.1
From            : 1.1.1.1
Res. Nexthop    : 0.0.0.0
Local Pref.     : 100              Interface Name : NotAvailable
Aggregator AS   : None             Aggregator     : None
Atomic Aggr.    : Not Atomic       MED            : 0
Community       : target:65100:1
Cluster         : No Cluster Members
Originator Id   : None             Peer Router Id : 1.1.1.1
Flags           : Used  Valid  Best  IGP
Route Source    : Internal
AS-Path         : No As-Path
VPRN Imported   :  1
---------------------------------------------------------------
PMSI Tunnel Attribute :
Tunnel-type     : PIM-SSM Tree  Flags          : Leaf not required
MPLS Label      : 0
Root-Node       : 1.1.1.1       P-Group        : 232.10.10.0
---------------------------------------------------------------
```

According to the display in the exhibit, which of the following statements is TRUE?

Options:

A- The S-PMSI is instantiated by MPLS tunnels.

B- The S-PMSI group address range is 232.10.10.0/24.

C- 192.168.1.2 is the system IP address of the source PE

D- The customer is sending multicast traffic to group 239.1.1.1.

Answer:

D

Question 9

Question Type: MultipleChoice

What is the advantage of using the S-PMSI over the I-PMSI in Draft Rosen?

Options:

A- The S-PMSI reduces control plane overhead because the I-PMSI is no longer needed.
B- The S-PMSI only forwards customer multicast traffic to PEs that have interested receivers.
C- The S-PMSI is required because it is the initial multicast distribution tree for the MVPN.
D- The S-PMSI encapsulates customer multicast traffic in an MPLS tunnel, which is more efficient than the GRE tunnel used by the I-PMSI.

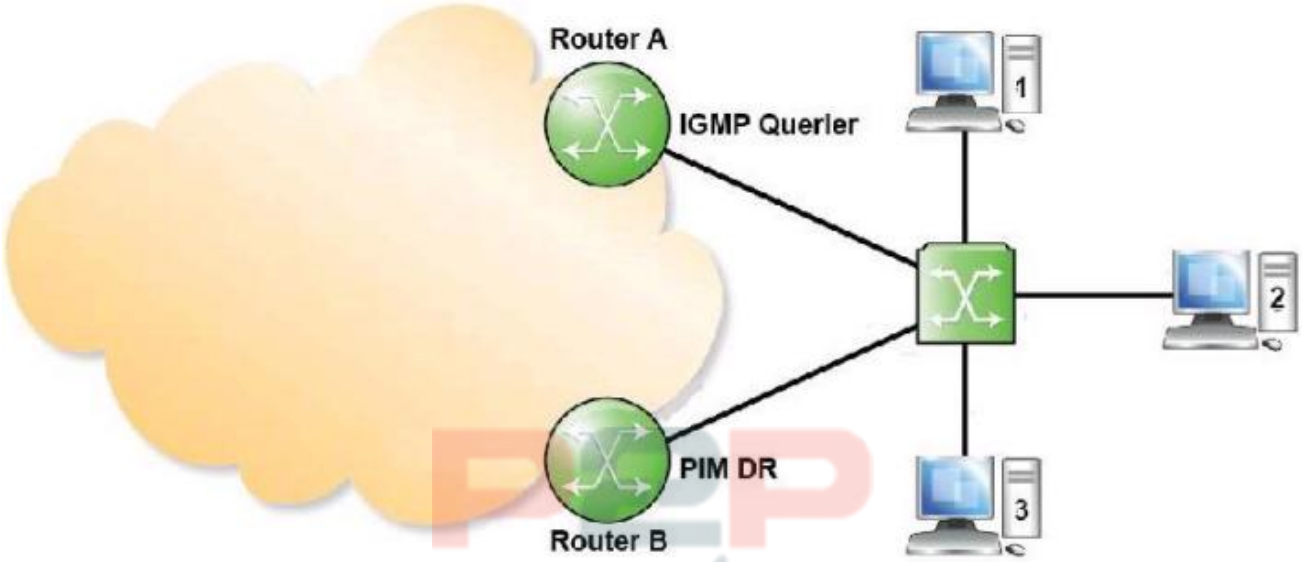
Answer:

B

Question 10

Question Type: MultipleChoice

Click the exhibit.



The switch is not IGMP-snooping/proxy capable. What happens when Host 2 issues an IGMP report to join a group?

Options:

A- Both Router A and Router B get this IGMP report; Router B propagates a PIM join toward the core network.
B- Both Router A and Router B get this IGMP report, and both propagate a PIM join toward the core network.
C- Only Router A gets this IGMP report and propagates a PIM join toward the core network.

D- Only Router A gets this IGMP report, but no further action is taken, as Router A is not the PIM DR.

Answer:

A

P2P exams