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QUESTION 1

Which of the following fields is in the MPLS header?

- A. 802.1p bits
- B. Precedence
- C. DSCP
- D. EXP

Correct Answer: D

QUESTION 2

Which of the following self-generated traffic applications is considered "protocol" traffic, as opposed to "management" traffic?

- A. BGP
- B. Telnet
- C. ICMP
- D. SNMP

Correct Answer: A

QUESTION 3

When allocating scheduling resources, which of the following statements BEST describes how the egress port scheduler allocates bandwidth?

- A. The egress port scheduler takes the ratio of requested bandwidth to total bandwidth request from all children. It allocates bandwidth fairly, using these percentages and not exceeding the egress interface speed.
- B. The egress port scheduler allocates bandwidth based on a WRR distribution method that takes into account the CIR and PIR requested at each level and the max speed, either default or configured, on egress.
- C. The egress port scheduler allocates bandwidth on a first come, first served distribution method that takes into account the total CIR and PIR requested at each level and the max PIR requested from a single level.
- D. The egress port scheduler will limit the bandwidth offered to the egress port based on the over-subscription factor, provisioned under the router interface, while using a WRR scheduler for the remaining bandwidth.
- E. The egress port scheduler will use the Russian Dolls Method to allocate bandwidth to each level of requested bandwidth. HPO-Only is automatically set to 100%, allowing only high priority traffic to be buffered during congestion.

Correct Answer: B



QUESTION 4

Which of the following statements are TRUE when discussing self-generated traffic QoS? (Choose two)

- A. In order to mark Layer 2 traffic, sgt-qos will set various ToS bits.
- B. DSCP bits can be set per application, per routing instance.
- C. The DSCP marking stays nc1 for all applications. Only the internal FC is manipulated across different applications.
- D. In order to mark Layer 2 self-generated traffic, network interfaces must be set to dot1Q.
- E. The internal forwarding class for self-generated traffic is set once and applied to the base router and all VPRN instances.

Correct Answer: BD

QUESTION 5

According to the configurations shown, which of the following statements about the classification and queuing of self-generated OSPF traffic is TRUE?

```
R1# config>router>sgt-qos# info
      application ospf dscp none
      dscp nc1 fc be

R1#
R1# exit all
R1#
R1# config qos network-queue default
R1# info
      --- Omitted Output ---
      fc nc create
          queue 8
      exit
      fc be create
          queue 1
      exit
      --- Omitted Output ---
```

- A. It will be classified into forwarding class BE and stored in queue 1.
- B. It will be classified into forwarding class BE and stored in queue 8.
- C. It will be classified into forwarding class NC and stored in queue 1.
- D. It will be classified into forwarding class NC and stored in queue 8.



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Correct Answer: A

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