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QUESTION 1

Which of the following statements about queue modes, and profile marking of packets when leaving a queue is FALSE?

A. Profile-mode and priority-mode queues can only be configured on SAP ingress.

B. For network egress, egress re-classification can change the profile marked at ingress.

C. For SAP egress, the profile marked at ingress may change based on the scheduling loop.

D. For network ingress, the network policy can classify the packet as either in-profile, or out-of-profile.

Correct Answer: C

QUESTION 2

The network QoS policy shown below is applied properly to a Nokia 7750 SR acting as a transit Label Switch Router (LSR) for a given MPLS tunnel. A packet is received inside the MPLS tunnel with EXP=4, dot1p=4, and DSCP=AF. Which forwarding class is assigned to this packet?

```
R2>config>qos>network# info
-----------------------------------------------
            ingress
                default action fc l2 profile out
                ler-use-dscp
                dscp af fc h1 profile in
                lsp-exp 4 fc af profile out
                dot1p 4 fc be profile in
            exit
            egress
            exit
-----------------------------------------------
```

A. L2

B. H1

C. AF

D. BE

Correct Answer: B

QUESTION 3

With hierarchical scheduling, up to _____ tiers are supported on the Nokia 7750 SR.

A. 8

B. 3

C. 4

D. 5

E. 6

Correct Answer: B

QUESTION 4

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.

Correct Answer: A

QUESTION 5

Which of the following statements regarding scheduling on the Nokia 7750 SR is TRUE? (Choose two)

A. When using profile-mode queues, traffic that is marked as in-profile on ingress and scheduled in the above-CIR loop will still be considered as in-profile at egress.

B. When an HQoS strategy using an egress port-scheduler has been deployed, Tier 1 receives its scheduling rates based on the amount of egress bandwidth available for each forwarding class.

C. The greater the difference between PIR and CIR rates in a queue, the less likely a CIR will be provided.

D. Packets scheduled out of high-priority queues in the default scheduler will have a lower chance of packet loss at the expense of incurring a higher probability of delay.

E. When using priority-mode queues, traffic that is marked as in-profile on ingress and scheduled in the above-CIR loop will be considered as in-profile at egress.

Correct Answer: AC

QUESTION 6

Assume all transmitted frames on a SONET port are 1500 bytes and that the average frame overhead has been configured as 10%. If the total bandwidth of all queues, excluding overhead, needs to be guaranteed at 55 Mbps, how much bandwidth should be configured for the egress port scheduler applied on that port?

A. 55 Mbps / 1.1 = 50 Mbps

B. 55 Mbps

C. 55 Mbps + 55 Mbps * 0.1 / 1.1 = 60 Mbps

D. 55 Mbps * 1.1 = 60.5 Mbps

Correct Answer: D

QUESTION 7

A packet is to be encapsulated inside an MPLS tunnel which consists of two MPLS headers at the first network egress. Which of the MPLS EXP fields will be marked?

A. The EXP field in the bottom MPLS header will be marked.

B. The EXP field in both the top and bottom MPLS headers will be marked.

C. For Layer 2 services, the top MPLS header will be marked; for Layer 3 services, the bottom MPLS header will be marked.

D. The EXP field in the top MPLS header will be marked.

E. Neither the top nor the bottom EXP field will be marked since EXP remarking can only be done on the network ingress.

Correct Answer: B

QUESTION 8

A SAP-ingress policy is configured so that ping traffic is classified as FC L1 and mapped to queue 3; however, all traffic is placed in queue 1. What is the most probable reason for this?

A. The default forwarding class for ICMP traffic is BE and cannot be changed.

B. The SAP has been shut down.

C. Queue 3 has no PIR or CIR configured, and thus cannot hold any packets.

D. The SAP-ingress policy has not been applied to the SAP.

Correct Answer: D

QUESTION 9

Which of the following statements regarding the default scheduler in the Nokia 7750 SR are TRUE? (Choose two)

A. There are a maximum of 8 levels of priority serviced using a round-robin algorithm.

B. The default scheduler will spend an equal amount of time in each queue, as long as there is traffic present

C. The H1 internal forwarding class will receive its CIR before AF traffic.

D. Orphaned queues will be scheduled out of the BE queue.

E. A queue servicing EF and AF traffic will require explicit configuration to set the queue to expedited.

Correct Answer: CE

QUESTION 10

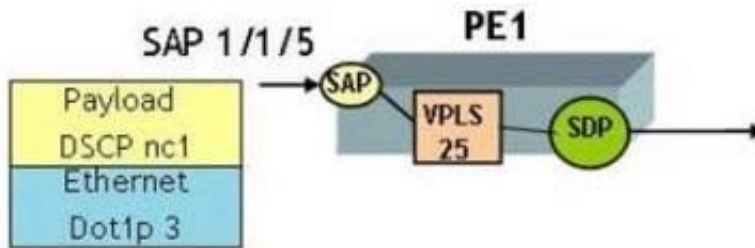Which action should be taken to ensure that packets do not use the shared buffer space when put into a queue?

A. Set the queue\\'s CBS to 0

B. Set the queue\\'s MBS equal to the CBS

C. Set the queue\\'s high-priority-only equal to the MBS

D. Set the queue\\'s MBS to 0

E. Set the queue\\'s high-priority-only to 0

Correct Answer: B

QUESTION 11

Click the exhibit button below.

Based on the configuration shown below, name the forwarding class to be associated with a TCP packet encapsulated inside an Ethernet frame that arrives on SAP 1/1/5 with the following characteristics: Destination IP address = 120.110.1.1 TCP port number = 23 DSCP value = nc1 Dot1pvalue = 3

A. H2

B. NC

C. L2

D. EF

E. H1

F. BE

Correct Answer: C

QUESTION 12

Which of the following are characteristics of DSCP? (Choose two)

A. DSCP is part of the Layer 3 header.

B. DSCP is a 6-bit field.

C. DSCP specifies eight different priorities.

D. DSCP specifies four precedence levels.

E. DSCP is part of the Layer 2 header

F. DSCP specifies 128 different per-hop behaviors.

Correct Answer: AB

QUESTION 13

Which of the following statements regarding the egress port scheduler is TRUE?

A. The egress port scheduler can have up to 17 children spread across 8 levels.

B. Multiple egress port schedulers can be assigned to a single port with many HQoS children.

C. Multiple HQoS policies can be children of a single port scheduler.

D. Multiple egress port schedulers can be children of a single HQoS scheduler.

Correct Answer: C

QUESTION 14

Which of the following fields in packets belonging to a Layer 3 service can be pre-marked on SAP-ingress?

A. Dot1p

B. DEI

C. EXP

D. DSCP/PREC

Correct Answer: D

QUESTION 15

How many queues are available for use on service egress within a VPLS service?

A. 1 multipoint and 8 unicast.

B. 8 queues, regardless of traffic type.

C. 8 unicast and 24 multipoint.

D. 8 unicast and 8 multipoint.

E. 16 queues, distributed as desired.

Correct Answer: B

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