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## Question 1

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**Question Type:** MultipleChoice

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Which of the following traffic types is typically rate-limited by applying shaping and soft-policing on access ingress?

**Options:**

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- A- Self-generated
- B- Real-time
- C- Best-effort
- D- Assured

**Answer:**

---

C

## Question 2

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**Question Type:** MultipleChoice

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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 ncl 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 ---
```

### Options:

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- 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.

**Answer:**

---

A

## Question 3

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**Question Type: MultipleChoice**

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Which of the following statements about marking packets is TRUE?

**Options:**

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**A-** Packets corresponding to a layer-2 service can be pre-marked on SAP-ingress.

**B-** Packets corresponding to a layer-2 service can be pre-marked on network-ingress.

**C-** Packets corresponding to a layer-3 service can be pre-marked on SAP-ingress.

**D-** Packets corresponding to a layer-3 service can be pre-marked on network-ingress.

**Answer:**

---

D

## Question 4

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**Question Type: MultipleChoice**

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At which point are internal QoS markings added to the packets?

**Options:**

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**A-** SAP-ingress

**B-** FFPC

**C-** SAP-egress

**D-** network-egress

**Answer:**

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B

## Question 5

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**Question Type:** MultipleChoice

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A frame belonging to a Layer 2 service is encapsulated in an MPLS tunnel at a network-egress port. Which of the following fields in the frame can be marked or remarked at the network egress port?

**Options:**

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- A- ToS
- B- DSCP
- C- PREC
- D- EXP

**Answer:**

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D

## Question 6

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**Question Type:** MultipleChoice

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An egress port scheduler applied to an Ethernet port has a configured bandwidth of 100 Mbps. All frames transmitted on the port are 80 bytes. What is the aggregate transmit bandwidth of all queues using the port scheduler?

**Options:**

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- A-  $100\text{Mbps} * 20/(80 + 20) = 20 \text{ Mbps}$
- B-  $100\text{Mbps} * 80/(80 + 20) = 80 \text{ Mbps}$
- C- 100Mbps
- D-  $100 + 100 * 20/(80 + 20) = 120 \text{ Mbps}$

**Answer:**

---

C

## Question 7

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**Question Type:** MultipleChoice

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Which of the following statements about the bandwidth allocation criteria used by an egress port scheduler is TRUE?

**Options:**

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- A- The available bandwidth of the port is divided in a strict priority over its children.
- B- Expedited queues must be serviced before best-effort queues.
- C- Orphaned queues are serviced on the 8th scheduling priority.
- D- The configured CIR dictates the maximum port bandwidth that can be allocated during the within-CIR pass for that level.

**Answer:**

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B

## Question 8

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**Question Type: MultipleChoice**

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Which of the following components are NOT configured in a hierarchical scheduler policy?

**Options:**

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- A- Queue parameters with which the queue will compete for bandwidth.



- B-** The level of hierarchy with which a group of schedulers is associated.
- C-** Bandwidth controls that limit each child scheduler or child queues associated with the scheduler.
- D-** The maximum bandwidth that the parent scheduler can offer its child queues or schedulers.

**Answer:**

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C

## Question 9

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**Question Type:** MultipleChoice

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Which of the following statements about configuring a hierarchical scheduler policy on a SAP is FALSE?

**Options:**

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- A-** Several Tier 1, Tier 2, and Tier 3 schedulers can be defined within a policy.
- B-** A queue's parent scheduler must be a Tier-3 scheduler.
- C-** The parent must have a higher level in the hierarchy.
- D-** If no parent is configured, the queue/scheduler is considered orphaned.

**Answer:**

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B

## Question 10

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**Question Type:** MultipleChoice

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Which of the following statements describes a queue's weight parameter that is used in the hierarchical scheduling?

**Options:**

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- A-** The weight specifies the priority of the queue during scheduling up to its CIR.
- B-** The weight specifies the priority of the queue during scheduling above-CIR, up to its PIR.
- C-** The weight is used to determine how this queue and other queues or schedulers at the same CIR-level share available CIR bandwidth at that level.
- D-** The weight is used to determine how this queue and other queues or schedulers at the same level share available above CIR bandwidth at that level.

**Answer:**

---

D



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