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QUESTION 1

Real-time rate limiting on the service ingress is a feature that performs_____. Traffic above the defined PIR is _____.

- A. Policing, expedited
- B. Metering, marked discard eligible
- C. Marking, marked discard eligible
- D. Policing, discarded
- E. Shaping, discarded

Correct Answer: D

QUESTION 2

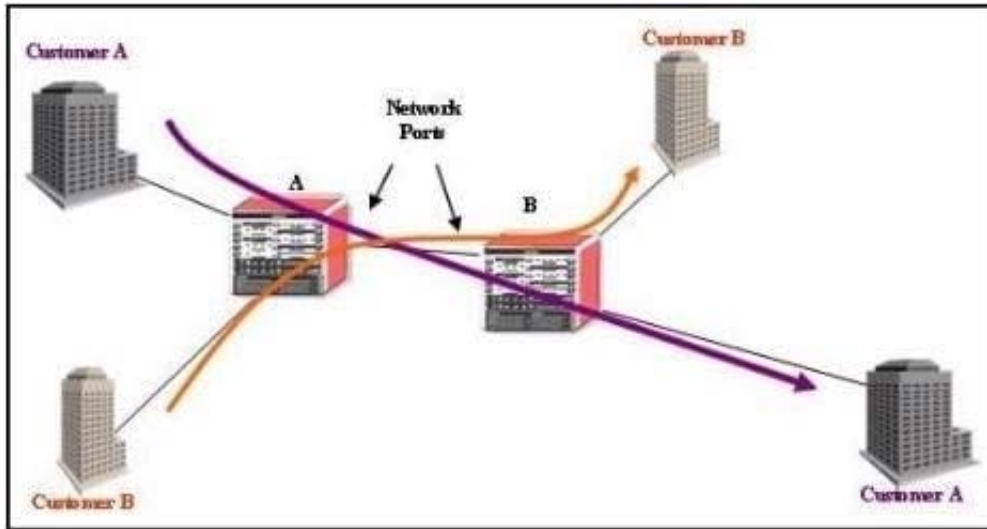
On the Nokia 7750 SR, which of the following QoS-related policies can be configured on a SAP? (Choose three)

- A. The slope-policy
- B. The SAP-ingress policy
- C. The SAP-egress policy
- D. The network-queue policy
- E. The scheduler-policy

Correct Answer: BCE

QUESTION 3

Click the exhibit button below. Each router is interconnected by a single GigE link, as shown in the diagram below.



Note: The arrows show the direction of traffic flow.

Traffic from Customer A and Customer B that is classified to the same forwarding class is queued together at the ingress of Router B.

- A. True
- B. False

Correct Answer: A

QUESTION 4

Click the exhibit button below. Given the slope-policy (below), which of the following statements are TRUE? (Choose two)

```

A:srl1>config>qos>slope-policy# info detail
-----
description "slope policy"
high-slope
  start-avg 50
  max-avg 70
  max-prob 60
  no shutdown
exit
low-slope
  start-avg 10
  max-avg 60
  max-prob 80
  no shutdown
exit
time-average-factor 1
-----
    
```

- A. All out-of-profile traffic will be dropped before that of any in-profile traffic.

- B. The discard probability slope of an in-profile traffic is steeper than that of an out-of-profile traffic.
- C. When the shared buffer utilization reaches 55%, both in-profile and out-of-profile packets may be dropped.
- D. The maximum probability with which an out-of-profile packet can be dropped is higher than that of an in-profile packet.
- E. When the shared buffer utilization is at 61%, only in-profile packets are currently in the shared buffer pool.

Correct Answer: CD

QUESTION 5

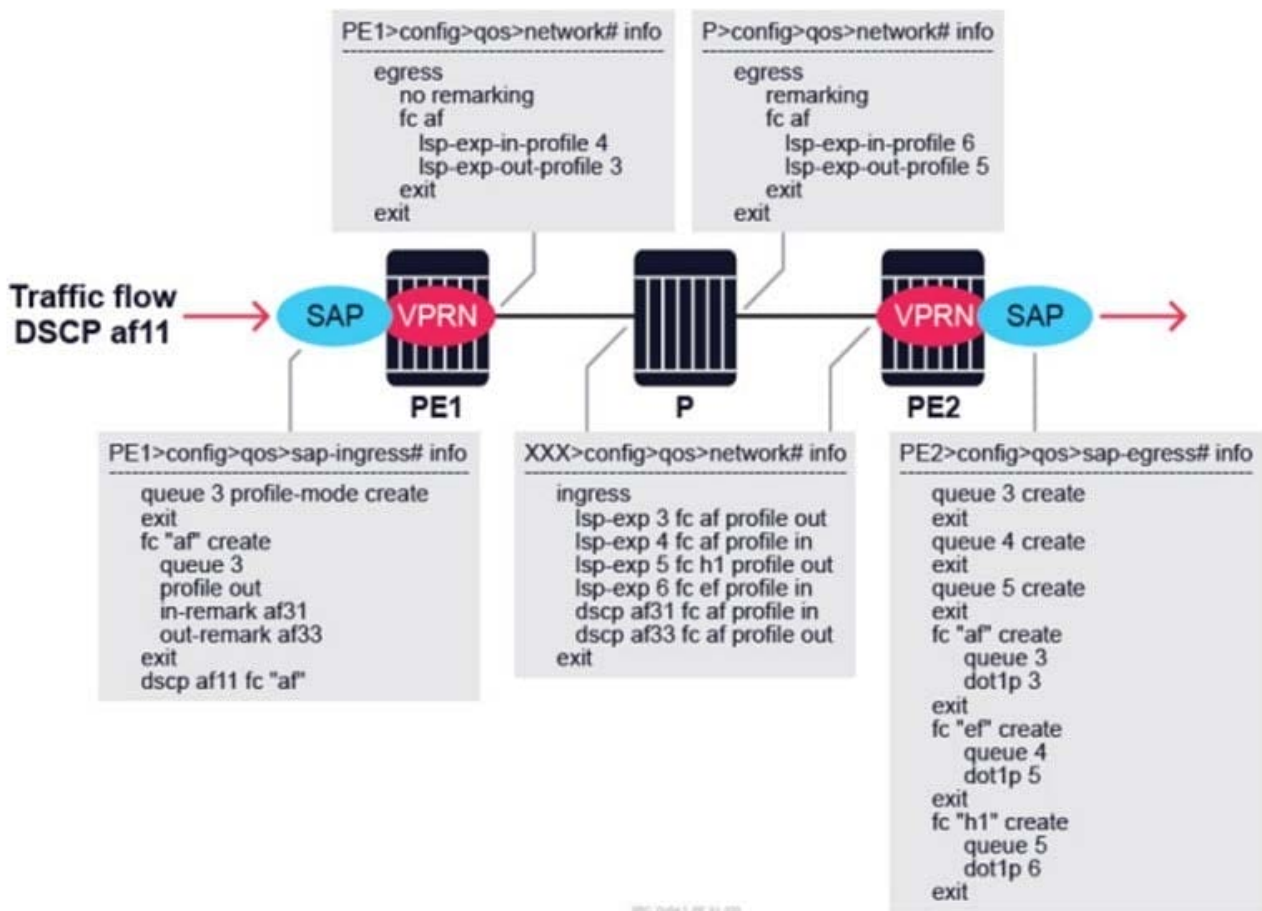
Which of the following statements about a queue's rate parameters is FALSE?

- A. If CIR = PIR, then all packets will be considered as in-profile.
- B. CIR can be set to 0.
- C. CIR can be larger than PIR.
- D. CIR can be set to ∞ .

Correct Answer: A

QUESTION 6

Packets arrive at the VPRN SAP on PE1 with DSCP marking of af11 and Dot1p of 2. According to the QoS policies applied at routers PE1, P, and PE2, what is the dot1p value of packets egressing router PE2? (All the SDPs are MPLS-encapsulated, and all interfaces are using their default trust states).



- A. 2
- B. 3
- C. 5
- D. 6

Correct Answer: B

QUESTION 7

When using an egress port scheduler, which scheduling loop priority are orphaned queues serviced on?

- A. 1st
- B. 8th
- C. 9th
- D. 17th

Correct Answer: A

QUESTION 8

Which of the following parameters is taken into account FIRST when a CFHP arbiter allocates bandwidth among its children policers?

- A. PIR
- B. CIR
- C. Level
- D. Weight

Correct Answer: D

QUESTION 9

Click the exhibit button below. A partial SAP-ingress policy configuration is shown below. A UDP video stream is sent to a PC with IP address 192.168.1.100. Given the SAP-ingress policy, to which forwarding class is the traffic matched?

```
A:srl1a>config>qos>sap-ingress# info detail
-----
---- output omitted -----
      ip-criteria
        entry 10 create
        match dst-ip 192.168.1.99/32
        exit
        action fc "af"
      exit
      entry 20 create
      match protocol udp
      exit
      action fc "ef"
    exit
    entry 30 create
    match protocol udp
      dst-ip 192.168.1.100/32
    exit
    action fc "h2"
  exit
  entry 40 create
  match protocol icmp
  exit
  action fc "h1"
exit
default-fc "be"
-----
```

- A. AF

B. EF

C. H2

D. H1

E. BE

Correct Answer: B

QUESTION 10

Which of the following entities can scheduler policies be applied to? (Choose two)

A. Network ingress port

B. Epipe ingress SAP

C. ES egress SAP

D. Ingress MDA

E. VPRN ingress interface

F. Shared buffer space

Correct Answer: BC

QUESTION 11

Click the exhibit button below. A network operator has configured a network-queue policy to map forwarding classes to queues, as shown in the exhibit below. Based on the default scheduling behavior of the Nokia 7750 SR, in which order will packets be serviced?

```
A:srla>config>qos>network-queue# info
```

```
-----  
queue 1 create  
  rate 100 cir 0  
exit  
queue 5 create  
  rate 100 cir 50  
exit  
queue 6 create  
  rate 50 cir 50  
exit  
queue 9 multipoint create  
exit  
fc af create  
  queue 5  
exit  
fc be create  
  queue 1  
exit  
fc ef create  
  queue 6  
exit  
fc h2 create  
  queue 5  
exit  
-----
```

- A. All in-profile packets in round-robin, then all out-of-profile packets in biased round-robin.
- B. In-profile EF packets, then in-profile H2 packets, then in-profile AF packets, then out-of-profile EF packets, then out-of-profile H2 and AF packets, and then out-of-profile BE packets.
- C. In-profile EF, H2 and AF packets, then out-of-profile H2, AF and BE packets in biased round-robin.
- D. In-profile EF packets, then in-profile H2 and AF packets, then out-of-profile H2, AF and BE packets in biased round-robin.
- E. In-profile EF and H2 packets, then in-profile AF packets, then out-of-profile H2, AF and BE packets in biased round-robin.

Correct Answer: D

QUESTION 12

Which following statements about the four-step QoS process (classification, queuing, scheduling, and marking/remarking) executed for every packet entering a Nokia 7750 SR is TRUE?

- A. The process happens only before the packet goes through the switching fabric.
- B. The process happens only before the packet goes onto the egress port.

- C. Marking/remarking the packets is for future classification.
- D. Marking/remarking the packets will occur right after classification of the packet.

Correct Answer: D

QUESTION 13

While deciding how to share the available bandwidth among its children, when does a port scheduler consider the parameter "level" of a child?

- A. During the allocation of within-CIR bandwidth.
- B. During the allocation of above-CIR bandwidth.
- C. During the allocation of both within-CIR and above-CIR bandwidth.
- D. The port scheduler does not use the level of a child for making bandwidth allocation decisions

Correct Answer: B

QUESTION 14

Which of the following statements defines the committed information rate?

- A. It is the rate at which a traffic stream is offered to a queue.
- B. It is the rate at which packets are forwarded out of a queue.
- C. It is the minimum rate at which packets may be forwarded out of a queue.
- D. It is the maximum rate at which packets may be forwarded out of a queue.

Correct Answer: C

QUESTION 15

Click the exhibit button below. Given the SAP-ingress policy, which of the following statements are FALSE? (Choose three)

```
*A:srcdev3r1>config>qos# info
-----
#-----
echo "QoS Policy Configuration"
#-----
  sap-ingress 66 create
    queue 1 create
    exit
    queue 3 profile-mode create
      parent "high" level 5 weight 100 cir-level 5
      rate 50000 cir 10000
    exit
    queue 5 create
      parent "high" level 7 weight 100 cir-level 7
      rate 30000 cir 20000
    exit
    queue 6 create
      parent "high" level 8 weight 100 cir-level 8
      rate 2000 cir 2000
    exit
    queue 11 multipoint create
    exit
    fc "af" create
      queue 3
      profile in
    exit
    fc "ef" create
      queue 6
    exit
    fc "h2" create
      queue 5
    exit
  ip-criteria
    entry 10 create
      match protocol tcp
      dst-port eq 1234
    exit
      action fc "ef" priority high
    exit
    entry 15 create
      match protocol udp
    exit
      action fc "h2"
    exit
    entry 20 create
      match protocol icmp
    exit
      action fc "h2"
    exit
  exit
  default-fc "af"
  exit
-----
```

- A. Queue 5 is using priority mode.
- B. UDP traffic can be serviced at a maximum rate of 20 Mbps.
- C. Ping traffic is place in queue 5.
- D. Queues 5 and 6 will receive equal portions of any remaining available bandwidth to meet their above-CIR bandwidth requirements.
- E. Queue 3 is scheduled before queue 5.

Correct Answer: BDE

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