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QUESTION 1

Which of the following statements about marking packets is TRUE?

- 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.

Correct Answer: D

QUESTION 2

The SAP-ingress policy shown below is applied properly to a Nokia 7750 SR. A traffic stream is received from an IP address of 192.168.2.200 with DSCP and dot1p set to EF and 4, respectively. Which forwarding class and priority level is used for this traffic stream?

```
R2>config>qos>sap-ingress# info
-----
--- Output omitted ---
ip-criteria
  entry 10 create
    match
      dscp ef
    exit
    action fc "h1"
  exit
  entry 20 create
    match
      src-ip 192.168.2.200
    exit
    action fc "af" priority low
  exit
exit
dot1p 4 fc l1 priority high
exit
-----
```

- A. FC H1, high
- B. FCH1, low

C. FCAF, high

D. FCAF, low

Correct Answer: A

QUESTION 3

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

A. IS-IS

B. RSVP

C. ICMP

D. BGP

Correct Answer: C

QUESTION 4

Which of the following is NOT a valid configuration value for a queue's CIR parameter within a SAP-ingress policy?

A. 0

B. min

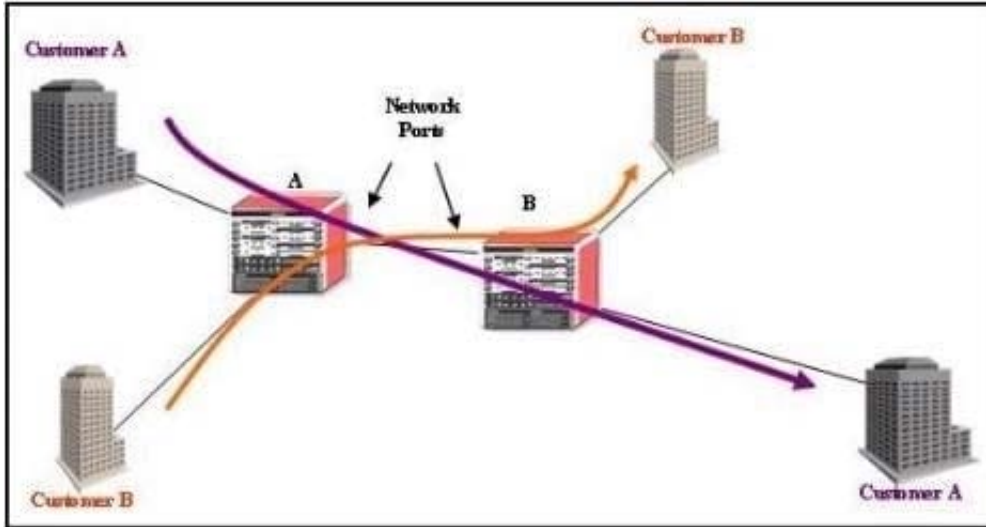
C. max

D. 50000

Correct Answer: B

QUESTION 5

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 6

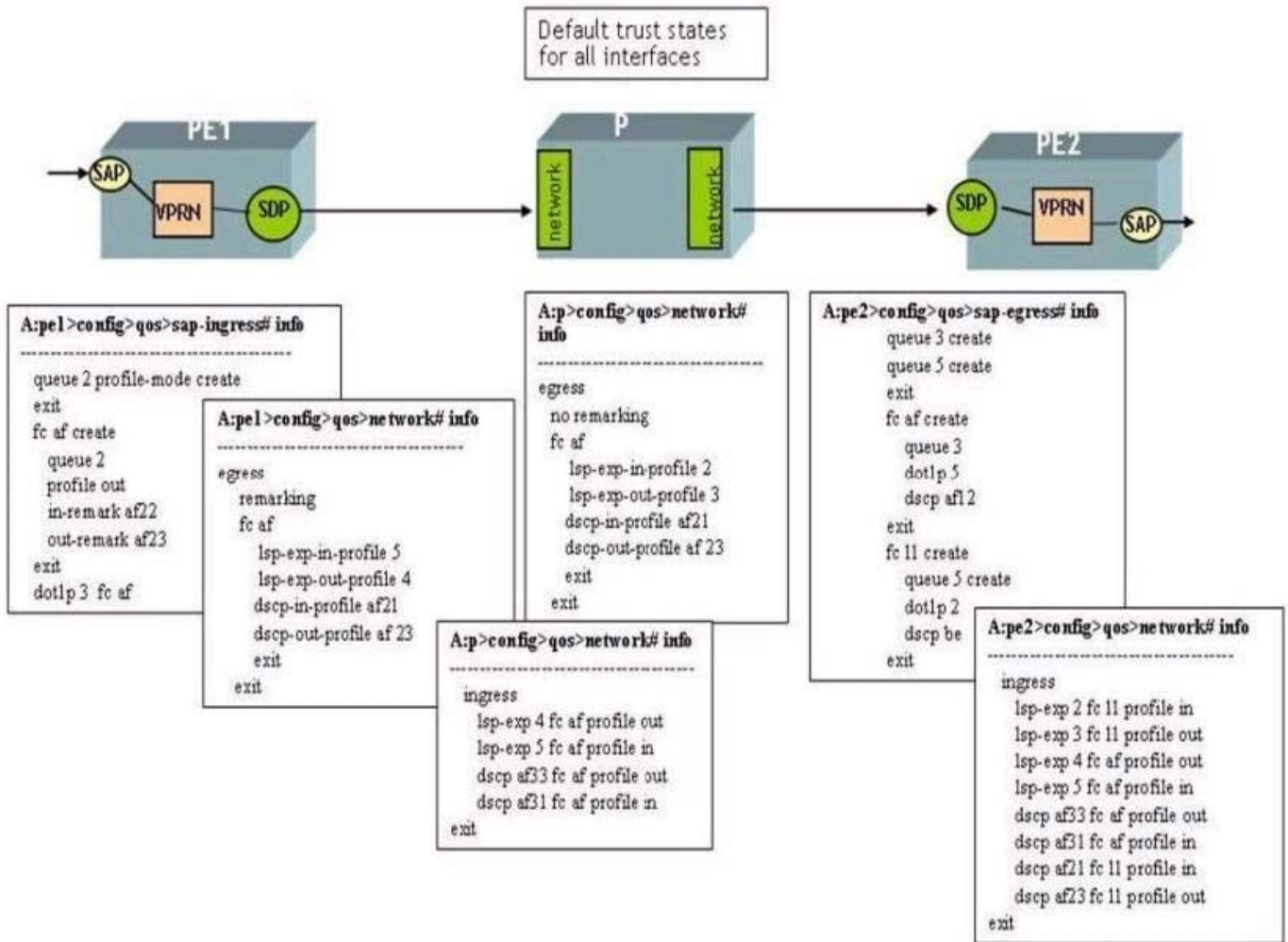
Which of the following statements regarding DSCP bits are TRUE? (Choose three)

- A. The three most significant (first) bits define 8 forwarding classes.
- B. The three least significant (last) bits of the DSCP specify the drop probability.
- C. The full 8 bits of the TOS field are used for DSCP.
- D. To convert DSCP to IP precedence, the three most significant (first) bits are matched.
- E. DSCP provides for eight drop probabilities.

Correct Answer: ABD

QUESTION 7

Click the exhibit button below.



All interfaces are using their default trust states and MPLS is used as the transport tunnel. The SAP-ingress, SAP-egress, and network QoS policies have been configured as shown below. Assume that the default network-queue policy is used on each router.

At router PE 1, customer traffic is arriving marked with DSCP BE and tagged with a dot1p value of 3.

Based on the configuration shown below for the VPRN service, what will be the DSCP and dot1p marking for the packet egressing at router PE 2? (Choose two)

- A. The DSCP value will be set to af21.
- B. The DSCP value will be set to be.
- C. The DSCP value will be set to af23.
- D. The DSCP value will be set to af 12.
- E. The dot1p value will be set to 5.
- F. The dot1p value will be set to 2.
- G. The dot1p value will be set to 3.

Correct Answer: DE

QUESTION 8

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

- 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.

Correct Answer: C

QUESTION 9

Which of the following fields is in the MPLS header?

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

Correct Answer: D

QUESTION 10

Which of the following statements BEST describes an MBS parameter?

- A. It specifies the maximum rate at which a queue can be serviced.
- B. It specifies the maximum depth of a queue beyond which packets will be dropped.
- C. It specifies the portion of a queue that is taken from the reserved buffer pool.
- D. It specifies the threshold beyond which only in-profile packets will be queued.
- E. It specifies the peak bandwidth that can be attained by the incoming traffic.

Correct Answer: B

QUESTION 11

Which of the following are possible criteria for classifying packets at the SAP-ingress? (Choose three)

- A. The EXP bits in the MPLS header.

- B. The packet's source and destination IP addresses.
- C. The service ID of the service to which the SAP belongs.
- D. The dot1p bits in the frame header.
- E. The packet's Ethertype.

Correct Answer: BDE

QUESTION 12

An IOM3 card of a Nokia7750 SR is enabled with the default scheduler and the policy shown in the image is applied to an access port on this card. In which order will packets be scheduled out of the queues?

```
R1>config>qos>sap-ingress# info
-----
---- Output omitted ----
queue 3 create
    rate 10000 cir 4000
exit
queue 4 create
    rate 4000 cir 1000
exit
fc ef create
    queue 3
exit
fc h1 create
    queue 4
exit
fc l1 create
    queue 3
exit
```

- A. Queue 3 within-CIR packets, then queue 4 within-CIR packets, then queue 3 and queue 4 above-CIR packets in round-robin.
- B. Queue 4 within-CIR packets, then queue 3 within-CIR packets, then queue 3 and queue 4 above-CIR packets in round-robin.
- C. Queue 3 within-CIR packets, then queue 4 within-CIR packets, then queue 3 above-CIR packets, and finally queue 4 above-CIR packets.
- D. Queue 4 within-CIR packets, then queue 3 within-CIR packets, then queue 4 above-CIR packets, and finally queue 3 above-CIR packets.

Correct Answer: B

QUESTION 13

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 max .

Correct Answer: A

QUESTION 14

Individual application streams are considered microflows, whereas _____ are considered macroflows.

- A. SAPs
- B. SDPs
- C. Services
- D. Queues
- E. Schedulers
- F. Forwarding classes

Correct Answer: F

QUESTION 15

What is the 6-bit binary representation of DSCP value AF21?

- A. 010011
- B. 100010
- C. 010001
- D. 001100
- E. 010010

Correct Answer: E

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