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**4A0-107**

*Alcatel-Lucent Quality of Service*

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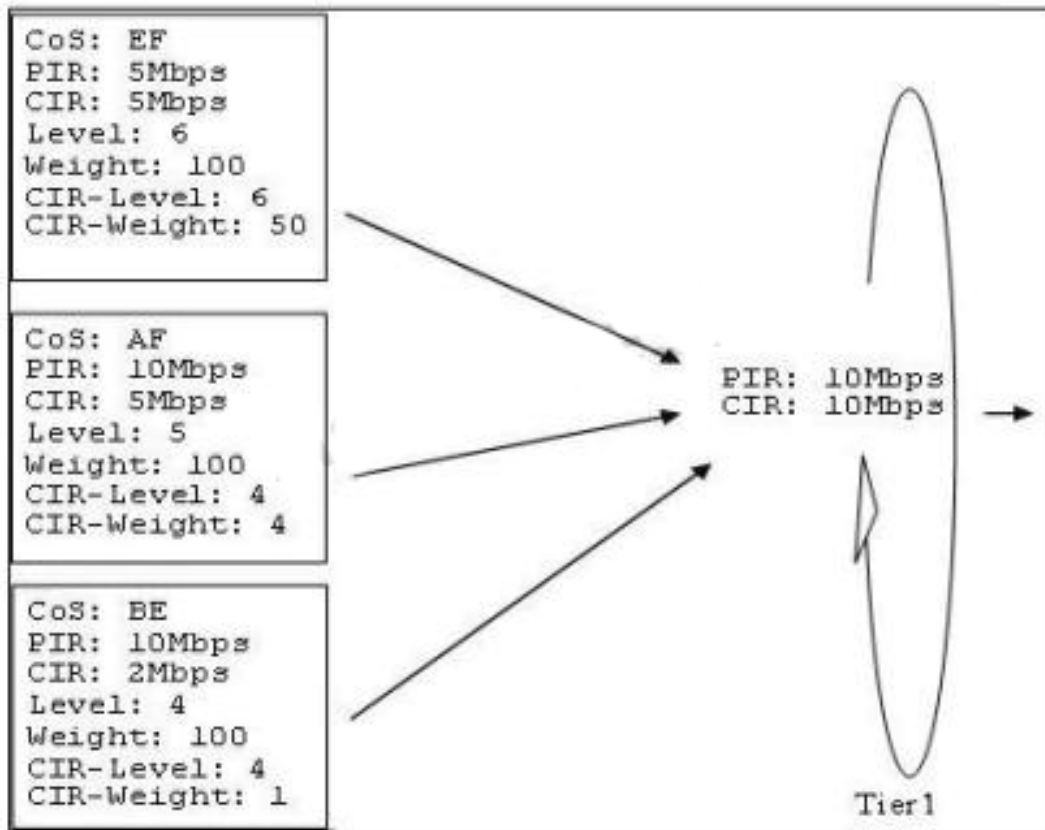
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**Answer:** D , ?, ?

**QUESTION:** 90

Click the exhibit button below. Given the scheduler-policy (below), which of the following can be done to guarantee that the best-effort traffic receives its configured CIR value?



- A. Change the CIR-level value for the best-effort queue to 8.
- B. Do not change anything; it is already guaranteed to receive its CIR
- C. Change the CIR-level value for the best-effort queue to 1.
- D. Change the CIR-weight value of the AF queue to 0.

**Answer:** A, D

**QUESTION:** 91

Which of the following rate-limiting approaches are used on the Alcatel-Lucent 7750 SR? (Choose two)

- A. Shapeless policing at SAP-ingress only.
- B. Shapeless policing at SAP-ingress and egress.

- C. Biased round robin queuing at ingress only.
- D. Soft shaping at all network interfaces.
- E. Soft shaping at network ingress only.

**Answer:** D, E

**QUESTION:** 92

If a packet is marked on a SAP-ingress, it will be remarked at the first network egress point (if remarking is enabled in the network egress policy).

- A. TRUE
- B. FALSE

**Answer:** B

**QUESTION:** 93

Which of the following statements are TRUE regarding the PE device in a QoS enabled network? (Choose two)

- A. A device that provides no differentiation between customer traffic flows.
- B. A device that classifies and marks customer traffic.
- C. A device that uses MPLS EXP bits to differentiate between traffic flows.
- D. A device that creates macroflows towards the core from multiple customer sites.
- E. A device that passes macroflows while optionally changing QoS markings.

**Answer:** B, D

**QUESTION:** 94

On the Alcatel-Lucent 7750 SR, what is the maximum number of queues that a single SAP-ingress policy can support in a VPLS?

- A. 16
- B. 8
- C. 32
- D. 48
- E. 56

**Answer:** C

**QUESTION:** 95

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 Alcatel-Lucent 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.

**Answer:** D

**QUESTION:** 96

Which of the following statements regarding scheduling are TRUE? (Choose two)

- A. Scheduler policies cannot be children of an egress port-scheduler.

- B. HQoS provides a static method of allocating scheduling resources to each queue and/or child.
- C. Scheduler policies can be applied to the MDA to schedule network ingress traffic.
- D. Every time a scheduler-policy is assigned to a SAP, a new hardware scheduler is created to service the SAP.
- E. A scheduler applied to multiple SAPs within the same service will result in a single hardware scheduler operating across all SAPs within the service.

**Answer:** C, D

**QUESTION:** 97

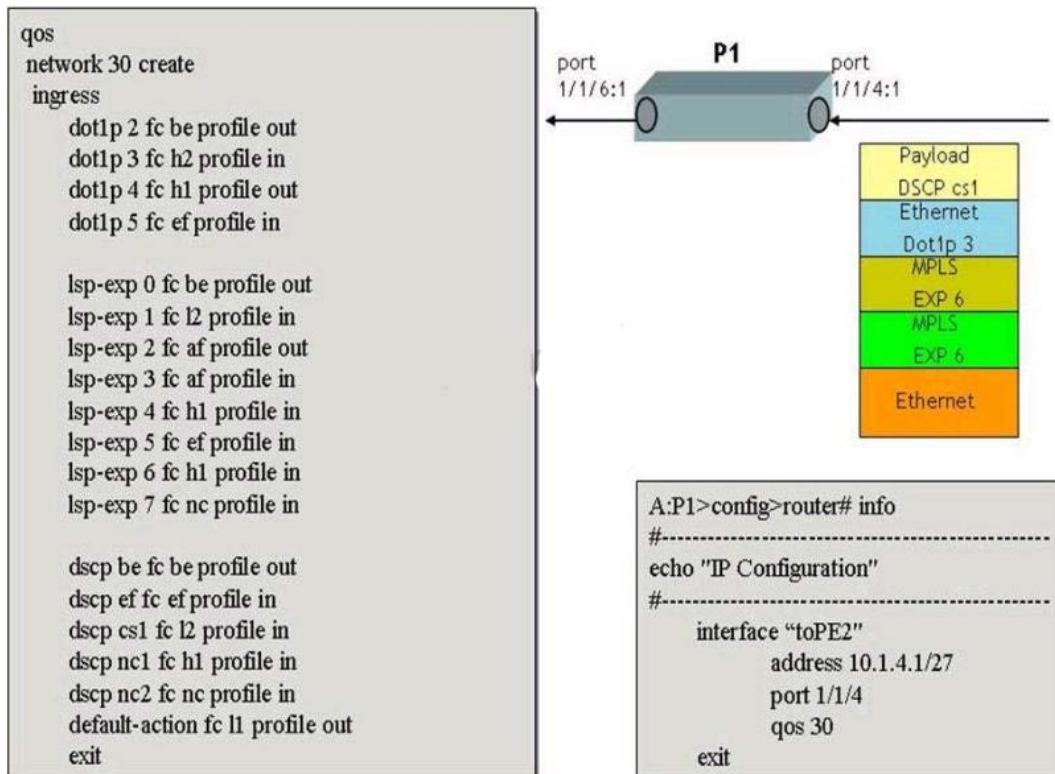
Which of the following statements regarding the default scheduler in the Alcatel-Lucent 7750 SR are TRUE? (Choose two)

- 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.

**Answer:** C, E

**QUESTION:** 98

Click the exhibit button below.



Based on the configuration of the network policy (below), what will be the forwarding class associated with a MPLS encapsulated customer packet that arrives on a dot1Q encapsulated network port 1/1/4:1 on P1 with the following characteristics:

EXP value = 6

DSCP value = cs1

Dot1pvalue = 3

- A. EF
- B. H1
- C. L1
- D. H2
- E. L2

**Answer:** D

**QUESTION:** 99

How does an IOM3 improve the queue usage over an IOM2 in an Alcatel-Lucent 7750 SR? (Choose two)

- A. The IOM3 adds more memory to both forwarding complexes which increases the total number of queues available.
- B. The IOM3 only contains a single forwarding complex which reduces the number of queues used.
- C. The IOM3 allows multiple forwarding classes to be assigned to a single queue.
- D. The IOM3 allows queues to be dynamically allocated between ingress and egress.

E. The IOM3 has a larger CPU capable of tracking active hardware queue utilization and adjusting memory allocation accordingly.

**Answer:** B, D

**QUESTION:** 100

Which of the following statements BEST describes the IntServ model?

- A. Has the ability to distinguish traffic in 32 different ways.
- B. Uses the RSVP protocol to create microflows through a network.
- C. Has the ability to manually configure forwarding classes through a network.
- D. Uses the RSVP protocol to create macroflows through a network.

**Answer:** B



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