Alcatel-Lucent

4A0-107

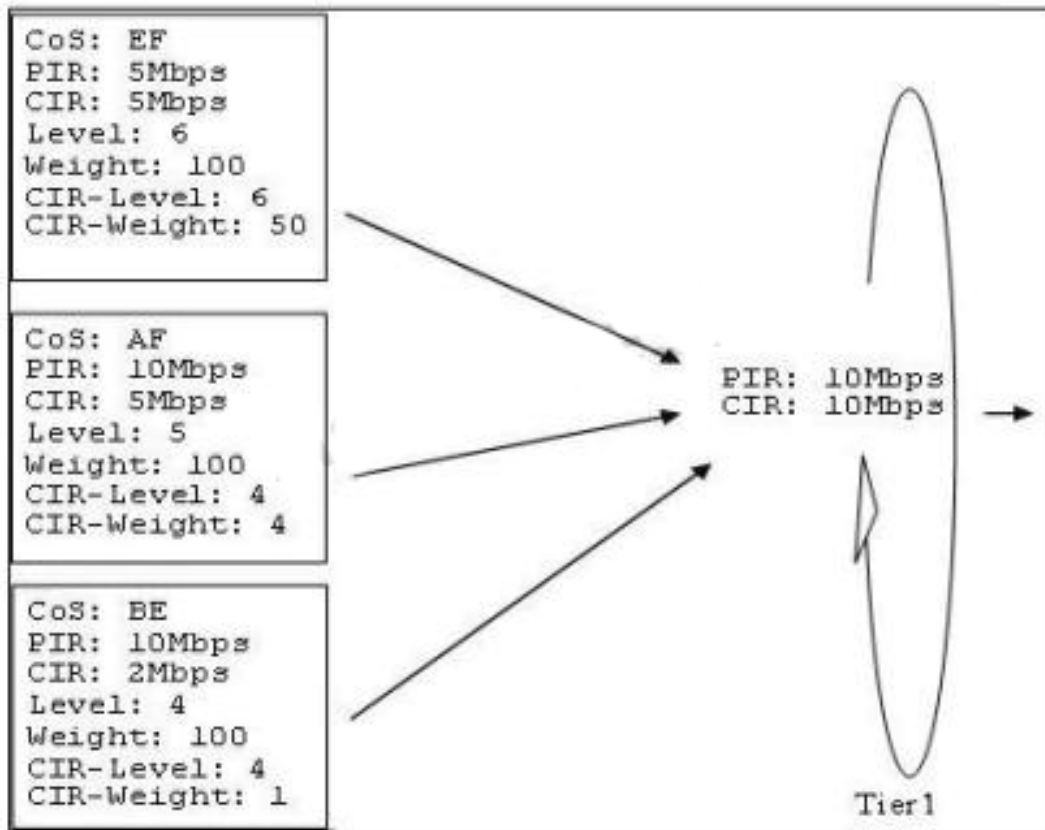*Alcatel-Lucent Quality of Service*

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?

```
CoS:  EF
PIR:  5Mbps
CIR:  5Mbps
Level: 6
Weight: 100
CIR-Level: 6
CIR-Weight: 50
```

```
CoS:  AF
PIR:  10Mbps
CIR:  5Mbps
Level: 5
Weight: 100
CIR-Level: 4
CIR-Weight: 4
```

```
CoS:  BE
PIR:  10Mbps
CIR:  2Mbps
Level: 4
Weight: 100
CIR-Level: 4
CIR-Weight: 1
```

```
PIR:  10Mbps
CIR:  10Mbps
```

Tier1

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:sr1a>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.
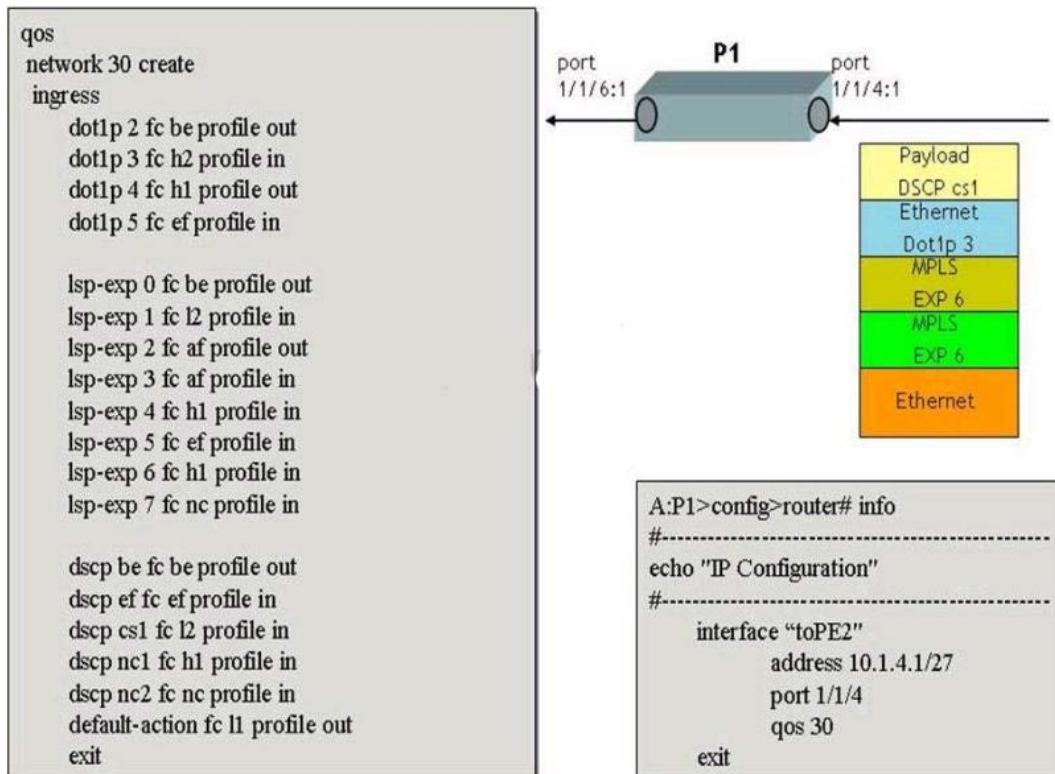
Answer: C, D

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.

```
qos
  network 30 create
   ingress
      dot1p 2 fc be profile out
      dot1p 3 fc h2 profile in
      dot1p 4 fc h1 profile out
      dot1p 5 fc ef profile in

      lsp-exp 0 fc be profile out
      lsp-exp 1 fc l2 profile in
      lsp-exp 2 fc af profile out
      lsp-exp 3 fc af profile in
      lsp-exp 4 fc h1 profile in
      lsp-exp 5 fc ef profile in
      lsp-exp 6 fc h1 profile in
      lsp-exp 7 fc nc profile in

      dscp be fc be profile out
      dscp ef fc ef profile in
      dscp cs1 fc l2 profile in
      dscp nc1 fc h1 profile in
      dscp nc2 fc nc profile in
      default-action fc l1 profile out
      exit
```

P1
port 1/1/6:1   port 1/1/4:1

Payload
DSCP cs1
Ethernet
Dot1p 3
MPLS
EXP 6
MPLS
EXP 6
Ethernet

```
A:P1>config>router# info
#-------------------------------------------------
echo "IP Configuration"
#-------------------------------------------------
       interface "toPE2"
                address 10.1.4.1/27
                port 1/1/4
                qos 30
       exit
```

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 dotlQ 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

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 foiwarding classes through a network.
D. Uses the RSVP protocol to create macroflows through a network.

Answer: B

*These questions are for demo purpose only. **Full version** is up to date and contains actual questions and answers.*

Killexams.com is an online platform that offers a wide range of services related to certification exam preparation. The platform provides actual questions, exam dumps, and practice tests to help individuals prepare for various certification exams with confidence. Here are some key features and services offered by Killexams.com:

<u>Actual Exam Questions</u>: Killexams.com provides actual exam questions that are experienced in test centers. These questions are updated regularly to ensure they are up-to-date and relevant to the latest exam syllabus. By studying these actual questions, candidates can familiarize themselves with the content and format of the real exam.

<u>Exam Dumps</u>: Killexams.com offers exam dumps in PDF format. These dumps contain a comprehensive collection of questions and answers that cover the exam topics. By using these dumps, candidates can enhance their knowledge and improve their chances of success in the certification exam.

<u>Practice Tests</u>: Killexams.com provides practice tests through their desktop VCE exam simulator and online test engine. These practice tests simulate the real exam environment and help candidates assess their readiness for the actual exam. The practice tests cover a wide range of questions and enable candidates to identify their strengths and weaknesses.

<u>Guaranteed Success</u>: Killexams.com offers a success guarantee with their exam dumps. They claim that by using their materials, candidates will pass their exams on the first attempt or they will refund the purchase price. This guarantee provides assurance and confidence to individuals preparing for certification exams.

<u>Updated Content:</u> Killexams.com regularly updates its question bank and exam dumps to ensure that they are current and reflect the latest changes in the exam syllabus. This helps candidates stay up-to-date with the exam content and increases their chances of success.

<u>Technical Support</u>: Killexams.com provides free 24x7 technical support to assist candidates with any queries or issues they may encounter while using their services. Their certified experts are available to provide guidance and help candidates throughout their exam preparation journey.