Vendor: Alcatel-Lucent

Exam Code:4A0-107

Exam Name: Alcatel-Lucent Quality of Service

Version: Demo

QUESTION 1

According to the SAP-egress policy configured and applied, which queue will forwarding class AF\\'s traffic use?

```
R1>config>qos# info
----------------------------------------
    --- Output omitted ---
    queue-group-templates
      ingress
        queue-group "Q-Group1" create
          policer 1 create
          exit
          policer 2 create
          exit
      exit
    exit
    sap-ingress 10 create
      policer 1 create
      exit
      fc "af" create
       policer 2 fp-redirect-group
      exit
      default-fc af
----------------------------------------
R1>config>qos# exit all
R1#
R1# configure card 1 fp 1 ingress access queue-group "Q-Group1" instance 1 create
R1# configure service epipe 1 sap 1/1/4 ingress qos 10 fp-redirect-group Q-Group1 instance 1
```

A. Policer 2 on the queue-group Q-Group1 instance 1.

B. Policer 1 on the queue-group Q-Group1 instance 1.

C. The default policer 1.

D. AF traffic is dropped.

Correct Answer: A

QUESTION 2

On the Nokia 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

Correct Answer: C

QUESTION 3

When allocating scheduling resources, which of the following statements BEST describes how the egress port scheduler allocates bandwidth?

A. The egress port scheduler takes the ratio of requested bandwidth to total bandwidth request from all children. It allocates bandwidth fairly, using these percentages and not exceeding the egress interface speed.

B. The egress port scheduler allocates bandwidth based on a WRR distribution method that takes into account the CIR and PIR requested at each level and the max speed, either default or configured, on egress.

C. The egress port scheduler allocates bandwidth on a first come, first served distribution method that takes into account the total CIR and PIR requested at each level and the max PIR requested from a single level.

D. The egress port scheduler will limit the bandwidth offered to the egress port based on the over-subscription factor, provisioned under the router interface, while using a WRR scheduler for the remaining bandwidth.

E. The egress port scheduler will use the Russian Dolls Method to allocate bandwidth to each level of requested bandwidth. HPO-Only is automatically set to 100%, allowing only high priority traffic to be buffered during congestion.

Correct Answer: B

QUESTION 4

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

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.
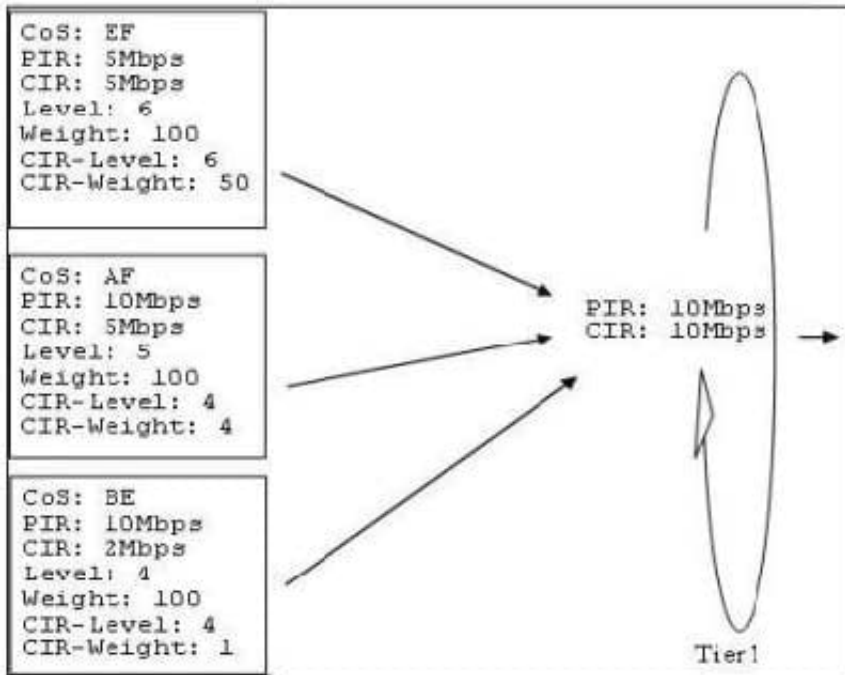
Correct Answer: D

QUESTION 5

A queue-group template can contain both queues and policers when applied under which conditions?

A. When applied at the port level for access ingress.

B. When applied at the FP (Forwarding Pass) level for access ingress.

C. When applied at the FP (Forwarding Pass) level for network ingress.

D. When applied at the port level for network egress.

Correct Answer: D

QUESTION 6

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.
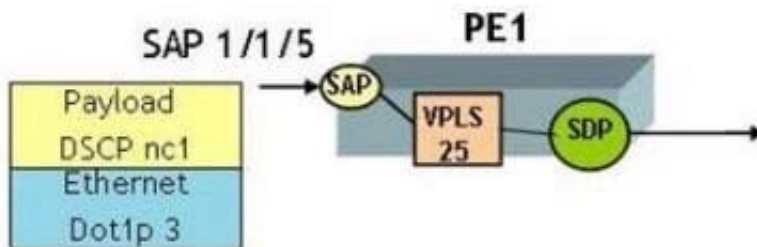
Correct Answer: AD

QUESTION 7

Forwarding subclasses are only relevant to, and are therefore applied within the context of, a _____ policy.

A. network

B. scheduling

C. slope

D. SAP-ingress

E. network-queue

Correct Answer: D

QUESTION 8

Click the exhibit button below.


```
qos sap-ingress 5 create
            dot1p 3 fc "ef"
            dscp nc1 fc "nc"
        ip-criteria
            entry 10 create
                match protocol tcp
                            dst-port gt 20
                exit
                action fc "l2"
            exit
            entry 20 create
                match protocol tcp
                    dst-ip
                        120.110.1.1/32
                    dst-port eq 23
                exit
                action fc "h1"
            exit
        exit
        default-fc "h2"
```

```
vpls 25 customer 1 create
    stp
        shutdown
    exit
    sap 1/1/5 create
        ingress
            qos 5
        exit
    exit
    no shutdown
exit
```

Based on the configuration shown below, name the forwarding class to be associated with a TCP packet encapsulated inside an Ethernet frame that arrives on SAP 1/1/5 with the following characteristics: Destination IP address = 120.110.1.1 TCP port number = 23 DSCP value = nc1 Dot1pvalue = 3

A. H2

B. NC

C. L2

D. EF

E. H1

F. BE

Correct Answer: C

QUESTION 9

On the Nokia 7750 SR, what is a slope policy used for?

A. Defining the slope of the TCP slow-start mechanism for self generated traffic.

B. Defining the slope of the scheduling rate per forwarding class when using HQoS.

C. Defining the high and low slope values when deploying buffer admission control for UDP traffic in the committed buffer pool.

D. Defining the high and low slope values when deploying buffer admission control for TCP traffic in the shared buffer pool.

E. Defining the high and low slope values when deploying buffer admission control for TCP traffic in the committed buffer pool.

Correct Answer: D

QUESTION 10

Which of the following statements about the default scheduler in the Nokia 7750 SR is FALSE?

A. The default scheduler spends an equal amount of time servicing each queue that has traffic to be sent out.

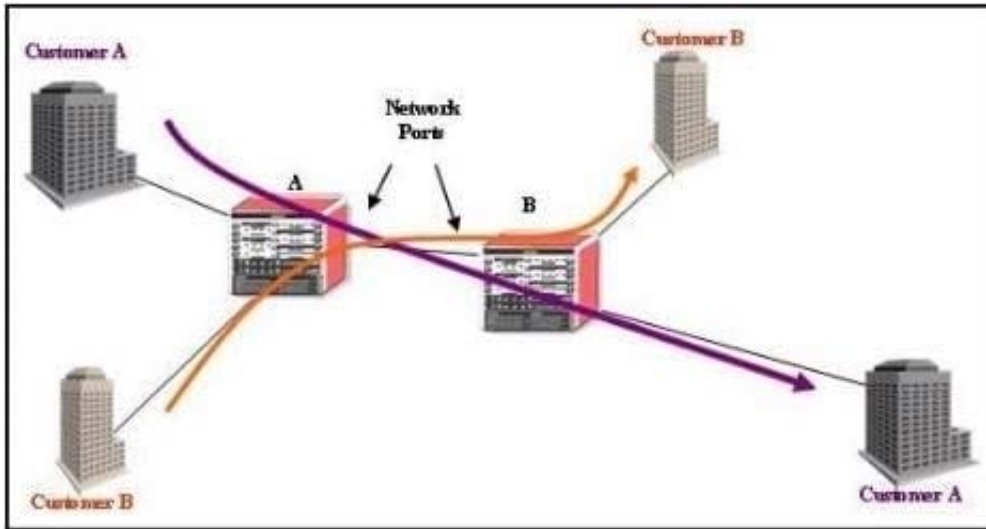B. Queue-type can be configured as best-effort, expedite, or auto-expedite.

C. A queue will be serviced as expedited if its type is configured as expedited, regardless of the forwarding classes mapped to it.

D. A queue configured as auto-expedited will be an expedited queue as long as no Best Effort FC is mapped to it.

Correct Answer: A

QUESTION 11

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 12

Which of the following statements regarding the default scheduler in the Nokia 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.

Correct Answer: CE