



Free Questions for 4A0-107 by dumpshq

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Question 1

Question Type: MultipleChoice

Assume all transmitted frames on a SONET port are 1500 bytes and that the average frame overhead has been configured as 10%. If the total bandwidth of all queues, excluding overhead, needs to be guaranteed at 55 Mbps, how much bandwidth should be configured for the egress port scheduler applied on that port?

Options:

A- $55 \text{ Mbps} / 1.1 = 50 \text{ Mbps}$

B- 55 Mbps

C- $55 \text{ Mbps} + 55 \text{ Mbps} * 0.1 / 1.1 = 60 \text{ Mbps}$

D- $55 \text{ Mbps} * 1.1 = 60.5 \text{ Mbps}$

Answer:

D

Question 2

Question Type: MultipleChoice

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

Options:

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

Answer:

A

Question 3

Question Type: MultipleChoice

Refer to the exhibit.

```
*A:R1>config>qos >sap-ingress# info
```

```
—— Output omitted ——  
queue 5 create  
    rate 4000 cir 2000  
exit  
queue 6 create  
    rate 10000 cir 5000  
exit  
fc af create  
    queue 5  
exit  
fc ef create  
    queue 6  
exit
```

Based on the image shown above, and assuming that the default scheduler of the Nokia 7750 SR is on an IOM2 card, in which order will packets be scheduled?

Options:

- A-** Queue 6 within-CIR packets, then queue 5 within-CIR packets, then queue 5 and queue 6 above-CIR packets in round-robin.
- B-** Queue 6 within-CIR packets, then queue 5 within-CIR packets, then queue 5 and queue 6 above-CIR packets in biased round-robin.
- C-** Queue 6 within-CIR packets, then queue 5 within-CIR packets, then queue 6 above-CIR packets, and finally queue 5 above-CIR packets.

D- Queue 6 and queue 5 within-CIR packets in biased round-robin, then queue 5 and queue 6 above-CIR packets in round-robin.

Answer:

B

Question 4

Question Type: MultipleChoice

How many tiers of schedulers can be supported in hierarchical scheduling on the Nokia 7750 SR?

Options:

A- 8

B- 3

C- 5

D- 6

Answer:

B

Question 5

Question Type: MultipleChoice

If two queues compete for bandwidth in a hierarchical scheduler environment, which parameter is used by their parent scheduler to determine the priority with which each queue can use bandwidth above its committed rate?

Options:

A- level

B- cir-level

C- weight

D- cir-weight

Answer:

C

Question 6

Question Type: MultipleChoice

When we select the adaptation rule "min", how are the operational CIR/PIR rates of a queue calculated?

Options:

- A-** The administrative PIR values are ignored and both operational rates are set to the minimum residual rate allowed by the hardware.
- B-** The administrative PIR value is ignored and both operational rates are set to the administrative CIR value.
- C-** They are chosen as the largest multiple of the hardware rate step that is less than or equal to the corresponding CIR/PIR administrative value.
- D-** They are chosen as the smallest multiple of the hardware rate step that is greater than or equal to the corresponding CIR/PIR administrative value.

Answer:

D

Question 7

Question Type: MultipleChoice

Which of the following about scheduling is TRUE?

Options:

- A-** HCoS schedulers cannot be children of an egress port-scheduler.
- B-** HCoS schedulers provide a dynamic method of allocating scheduling resources to queues.
- C-** HCoS scheduler policies can be applied to an MDA to schedule network ingress traffic.
- D-** A scheduler policy applied to multiple SAPs within the same service will result in a single hardware scheduler operating across all SAPs within the service.

Answer:

D

Question 8

Question Type: MultipleChoice

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

Options:

A- 0

B- min

C- max D. 50000

Answer:

B

Question 9

Question Type: MultipleChoice

According to the SAP-egress policy configured and applied, which queue will AF traffic use?

"A:R1>config>qos# info

—— Output omitted ——

```
queue-group-templates
  egress
    queue-group "exam" create
      queue 1 best-effort create
      exit
      queue 2 best-effort create
      exit
      queue 3 best-effort create
      exit
      fc af create
        queue 2
      exit
      fc ef create
        queue 3
      exit
    exit
  exit
exit
sap-egress 10 create
  queue 1 create
  exit
  policer 1 create
  exit
  fc af create
    policer 1 group "exam" instance 1 queue 3
  exit
default-fc af
exit
```

"A:R1>config>qos# exit all

"A:R1#

"A:R1# configure port 1/1/6 ethernet access egress queue-group "exam" create

"A:R1# configure service epipe 1 sap 1/1/6 egress qos 10

Options:

- A-** Queue 3, because it is explicitly defined in the SAP-egress policy.
- B-** Queue 2, because it is explicitly configured in the queue-group template.
- C-** The default, queue 1, because there is a mismatch between the mapping in the SAP-egress policy and in the queue-group template.
- D-** AF traffic is dropped because there is a mismatch between the mapping in the SAP-egress policy and in the queue-group template.

Answer:

A

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