Free Questions for 4A0-C02 by certsinside

Shared by Perkins on 06-06-2022

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Question 1

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

Options:

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

B- A queue will be serviced as best-effort if all of the forwarding classes mapped to it are best-effort, regardless of its configured type.

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

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

Answer:

D

Question 2

If packets egressing a SAP do not match any criteria defined in the SAP-egress policy, which forwarding class will these packets be assigned to?

Options:

A- The default forwarding class defined in the SAP-egress policy.

B- The forwarding class inherited from network ingress classification.

C- Best Effort.

D- If there is no match, packets will be dropped.

Answer:

C

Question 3

Question Type: MultipleChoice

According to the SAP-ingress QoS policy shown, which packets have a higher priority to enter queue 6?

```
*A:R1>config>qos>sap-ingress# info
----------------------------------------------------
    --- Output omitted ---
    queue 5 priority-mode create
        mbs 20
        cbs 10
        high-prio-only 10
    exit
    queue 6 profile-mode create
        mbs 24
        cbs 24
        high-prio-only 90
    exit
    fc ef create
        queue 6
    exit
    fc "ef.in" create
        profile in
    exit
    fc "ef.out" create
        profile out
    exit
    fc 12 create
        queue 5
    exit
    dot1p 1 fc "12"
    dot1p 5 fc "ef.in" priority low
    dscp "ef" fc "ef.out" priority high
    default-fc 11
    default-priority high
----------------------------------------------------
```

A- Those marked with dotlp = 5.

B- Those marked with dscp = 'ef.

C- All packets mapped to queue 6 have the same priority to use the available buffer space.

D- There are no packets mapped to Queue 6.

Answer:

B

Question 4

Question Type: **MultipleChoice**

Which of the following about self-generated traffic QoS is TRUE?

Options:

A- The DSCP marking stays ncl for all applications; only the internal forwarding class is manipulated across different applications.

B- DSCP bits can be set per application, per routing instance.

C- The internal forwarding class for self-generated traffic is set once and applied to the base router and all VPRN instances.

D- Self-generated traffic can be marked at Layer 2 no matter what encapsulation is used on the network interfaces.

Answer:

C

Question 5

Question Type: **MultipleChoice**

In the image shown above, the SAP-ingress policy is applied properly to a Nokia 7750 SR. A traffic stream is received from an IP address of 192.168.1.1 with DSCP set to EF. Which forwarding class and priority level is used for this traffic stream?

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

            dscp ef fc "ef" priority high
            ip-criteria
                entry 10 create
                    match
                        dscp ef
                    exit
                    action fc "h1"
                exit
                entry 20 create
                    match
                        src-ip 192.168.1.1/32
                    exit
                    action fc "h2" priority low
                exit
            exit
--------------------------------------------------
```

Options:

A- FC H1, high

B- FC EF, high

C- FC H2, low

D- FC EF, low

Answer:

C

Question 6

Question Type: MultipleChoice

Which of the following is NOT one of the four elements in the Nokia 7750 SR QoS solution'

Options:

A- Marking/Remarking

B- Classification
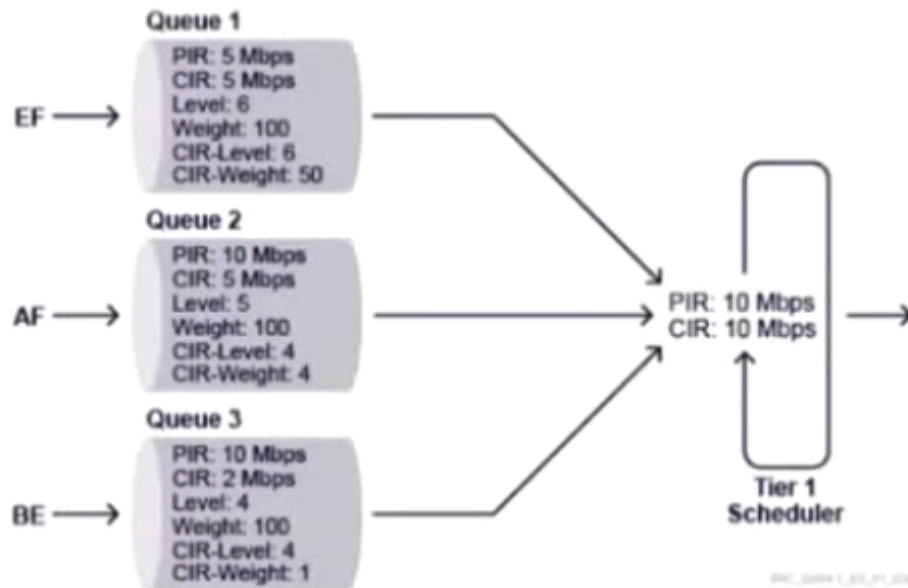
C- Encapsulation

D- Scheduling

Answer:

C

Question 7

Given the scheduler-policy parameters shown, and assuming the offered rate of each queue is 10 Mbps, what are the operational PIR and CIR for queue 1?

Options:

A- PIR = 4 Mbps, CIR = 1 Mbps

B- PIR = 1 Mbps, CIR = 1 Mbps

C- PIR = 10 Mbps, CIR = 1 Mbps

D- PIR = 5 Mbps, CIR = 5 Mbps

E- PIR = 1.25 Mbps, CIR = 1.25 Mbps

Answer:

D
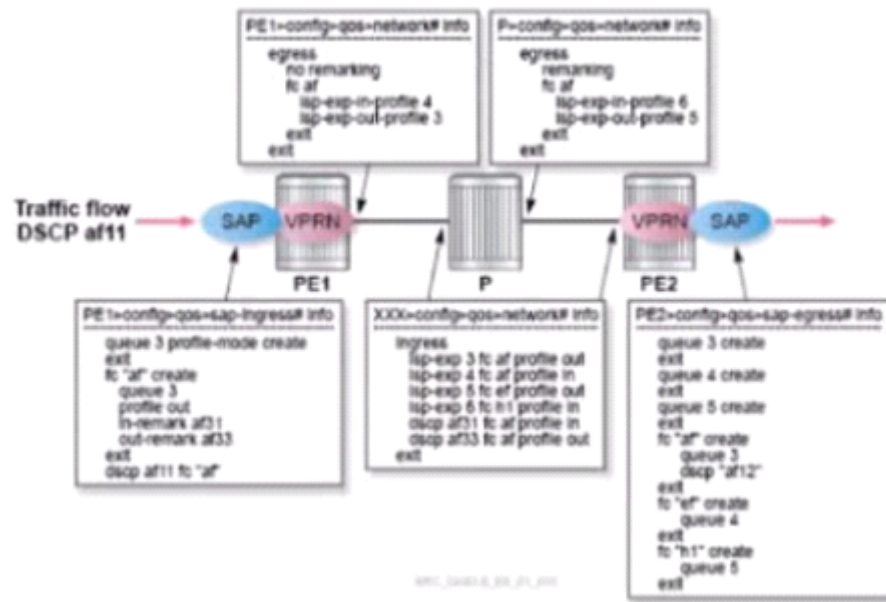
Question 8

Question Type: MultipleChoice

Packets arrive at the VPRN SAP on PE1 with DSCP marking of all. According to the QoS policies applied at routers PE1, P, and PE2, what is the DSCP value of packets egressing router PE2? (All the SDPs are MPLS-encapsulated, and all interfaces are using their default trust states).

Options:

A- af11

B- af12

C- af31

D- af33

Answer:

B

Question 9

Which of the following fields in frames belonging to a Layer 3 service CANNOT be marked or remarked on SAP-egress?

Options:

A- Dotlp

B- EXP

C- DSCP

D- PREC

Answer:

B

Question 10

What is the purpose of the Nokia SR design that includes, for every ingress unicast queue, one hardware queue per destination forwarding complex (FFPC)?

Options:

A- To utilize memory resources efficiently

B- To avoid Head of Line blocking

C- To achieve more granularity of QoS control

D- To make hierarchical scheduling/policing possible

Answer:

B