642-887^{Q&As}

Implementing Cisco Service Provider Next-Generation Core Network Services

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QUESTION 1

Which class-map configuration selects the following traffic?

All incoming traffic from interface GigabitEthernet 0/1 that is marked with dscp ef

A. class-map TEST
    match dscp ef
    match input-interface GigabitEthernet 0/1

B. class-map TEST1
    match dscp ef
  class-map TEST2
    match input-interface GigabitEthernet 0/1
  class-map match-all PARENT
    match class-map TEST1 TEST2

C. class-map match-any TEST
    match dscp ef
    match input-interface GigabitEthernet 0/1

D. class-map match-any TEST
    match dscp ef match input-interface GigabitEthernet 0/1

A. B. C. D.

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 2

Which method is used to mark traffic matched by class-map MY_CLASS as Expedited Forwarding?

A. set ip dscp cs7

B. set dscp cs7

C. set dscp 46

D. set dscp 45

Correct Answer: C

QUESTION 3

Scenario: On CE7 which statement is correct regarding Traffic the QoS policy applied to the gi0/0 interface in the input direction?

Instructions ✕

Enter the proper CLI commands and analysis the outputs on the Cisco routers to answer the multiple-choice questions

From the network topology diagram, click on the router icon to gain access to the console of the router.
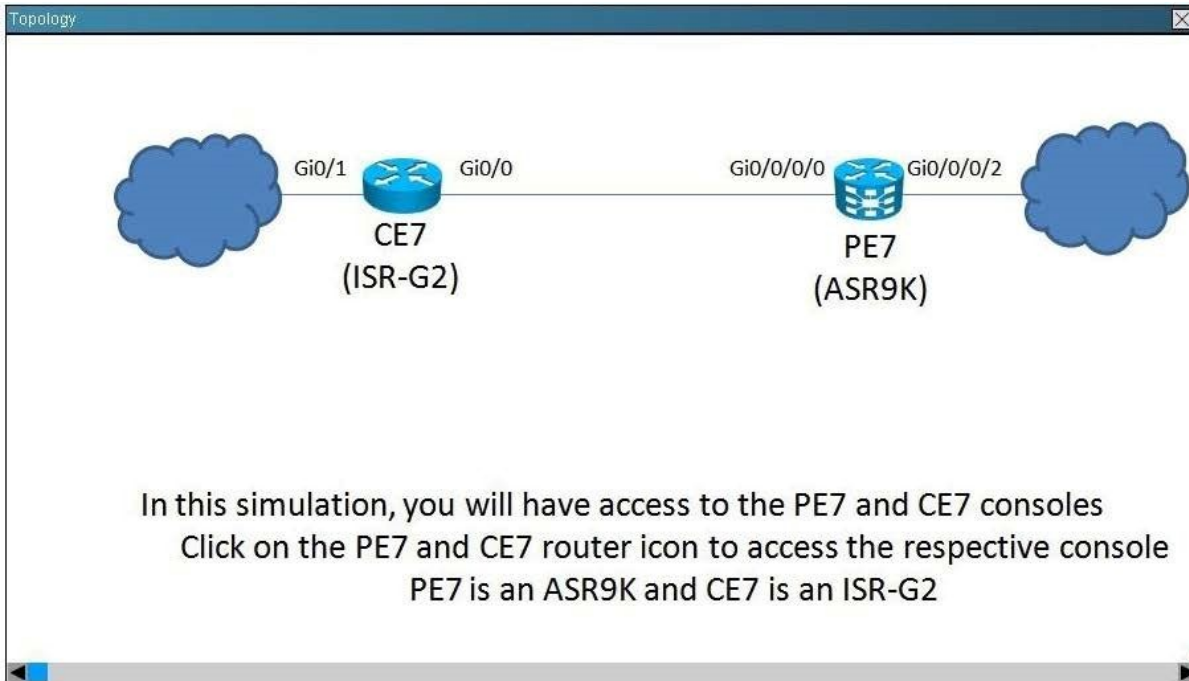
No console or enable passwords are required.

There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.

Not all the CLI commands or commands options are supported or required for this simulation.
All the devices in this simulation have been pre-configured and you are not required to enter in any configurations.

Scenario ✕

Referring to the network topology diagram shown in the exhibit, use the proper CLI commands on the CE7 and PE7 routers and interpret the supported CLI commands outputs to answer the four multiple choice questions.

Topology

Gi0/1   Gi0/0   Gi0/0/0/0   Gi0/0/0/2

CE7
(ISR-G2)

PE7
(ASR9K)

In this simulation, you will have access to the PE7 and CE7 consoles
Click on the PE7 and CE7 router icon to access the respective console
PE7 is an ASR9K and CE7 is an ISR-G2

CE7

CE7#

RP/0/RSP0/CPU0:PE7

RP/0/RSP0/CPU0:PE7#

A. Traffic matching the "MARKING2" class-map will be marked with qos-group 5

B. Traffic matching the "MARKING1" class-map will be marked with MPLS EXP 5

C. All incoming packets not matched bythe"MARKING1" class-map will be dropped

D. All incoming packets with the DSCP EF marking with be marked with MPLS EXP 0

Correct Answer: B

Explanation: Issue: show policy-map interface gi0/0 First find out which policy-map is applied (it called something like QOSPOLICY1) A is wrong. Class MARKING2 is indeed defined but not applied to that policy-map. There are two class-maps applied MARKING1 and class-default. Both will mark the traffic with MPLS EXP values. default: set mpls experimental imposition 0 MARKING1 set mpls experimental imposition 5

QUESTION 4

Which two of the following statements are correct regarding LSPs? (Choose two.)

A. An LSP is created for every routing protocol entry.

B. Each LSP is bidirectional, that is, packets traveling in the opposite direction use the same LSP.

C. An IGP is used to populate routing tables in all routers in an MPLS domain.

D. LDP is used to propagate labels and build LSPs.

E. The FIB is used to forward MPLS-labeled packets down an LSP.

Correct Answer: CD

QUESTION 5

Refer to the Cisco IOS XR configuration exhibit.

```
interface Tunnel-te 10
ipv4 unnumbered Loopback0
destination 10.5.5.5
signalled-bandwidth 1000
priority 7 7
path-option 1 explicit name testpath
!
explicit-path name testpath
index 1 next-address ipv4 unicast 10.3.3.3
index 2 next-address ipv4 unicast 10.4.4.4
!
mpls traffic-eng
interface GigabitEthernet 0/0/0/10
backup-path tunnel-te 10
```

Which statement is correct?

A. The backup tunnel-te 10 tunnel is using the highest setup and hold priority settings of 7.

B. The backup tunnel path is learned dynamically.

C. The fast-reroute command is missing under the (config-mpls-te-if)# configuration mode.

D. Interface gi0/0/0/10 is the protected link.

Correct Answer: D

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