642-887

Implementing Cisco Service Provider
Next-Generation Core Network Services
(SPCORE)

DEMO

QUESTION 1

Which three conditions can occur when metering traffic using a dual token bucket traffic policing QoS mechanism on Cisco routers? (Choose three.)

A. conform
B. pass
C. violate
D. exceed
E. burst
F. matched

Answer: ACD

QUESTION 2

What is the correct formula for determining the CIR?

A. CIR = Bc/Tc
B. CIR = Bc x Tc
C. CIR = Tc/Bc
D. CIR = Bc + Be
E. CIR = Tc/(Bc+Be)
F. CIR = (Bc+Be)/Tc

Answer: A

QUESTION 3

DS-TE implementations on Cisco routers support which bandwidth pool(s) and class type(s)? (Choose two.)

A. global pool only
B. subpool only
C. global pool and subpool
D. class-type 0 only
E. class-type 1 only
F. class-type 0 and class-type 1

Answer: CF

1

QUESTION 4

Which field in the MPLS shim header is used to support different QoS markings?

A. IP precedence

B. DSCP

C. EXP

D. ToS

E. S

F. Label

Answer: C

QUESTION 5

On a Cisco IOS XR router, which mechanism protects the router resources by filtering and policing the packets flows that are destined to the router that is based on defined flow-type rates?

A. LLQ

B. LPTS

C. Committed Access Rate

D. Control Plane Policing

E. Management Plane Protection

F. NetFlow

G. ACL

Answer: B

QUESTION 6

When configuring LLQ (strict priority queue) on a traffic class using the Cisco IOS XR priority command on a Cisco ASR9K router, which additional QoS command is required for this traffic class?

A. shape

B. police

C. random-detect

D. bandwidth

Answer: B

QUESTION 7

2

On the Cisco ASR9K router, when using the bandwidth command to specify the minimum guaranteed bandwidth to be allocated for a specific class of traffic, what will be used as the queuing algorithm?

A. custom queuing

B. CBWFQ

C. WFQ

D. FIFO

E. priority queuing

Answer: B

QUESTION 8
When implementing MPLS DS-TE on Cisco IOS XR routers, all aggregate Cisco MPLS TE traffic is mapped to which class type by default?

A. class-type 0 (bandwidth global pool)

B. class-type 1 (bandwidth subpool)

C. class-type 2 (bandwidth priority)

D. class type class-default (bandwidth best-effort)

Answer: A

QUESTION 9
On the Cisco IOS XR, which MQC configuration is different than on the Cisco IOS and IOS XE?

A. On the Cisco IOS XR, WRED can only be applied in the output direction.

B. On the Cisco IOS XR, marking can only be applied in the input direction.

C. On the Cisco IOS XR, LLQ can be applied in the input or output direction.

D. On the Cisco IOS XR, LLQ can use up to four priority queues: level 1, level 2, level 3, and level 4.

Answer: C

QUESTION 10
On Cisco routers, how is hierarchical QoS implemented?

A. Within the parent policy, reference another child policy using the policy-map command.

B. Within the child policy, reference another parent policy using the policy-map command.

C. Use the policy-map command within a service-policy to implement nested policy-maps.

D. Within the parent policy-map, reference another child policy-map using the service-policy command.