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642-785

Cisco

Maintaining Cisco Service Provider Quality of Service (MSPQS)

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QUESTION: 1

Within a QoS policy-map configuration, one of the traffic classes is configured with the random-detect dscp-based configuration command. What will that command accomplish?

- A. provides congestion management by queueing the traffic using CBWFQ
- B. provides congestion management by queueing the traffic using LLQ
- C. decreases the probability of congestion by selectively dropping TCP packets before the queue is full
- D. provides congestion avoidance by selectively delaying the delivery of packets with lower DSCP priority
- E. decreases congestion by avoiding global UDP synchronization

Answer: C

QUESTION: 2

What are three benefits of IntServ and RSVP? (Choose three.)

- A. RSVP helps network devices identify dynamic port numbers.
- B. IntServ networks will reject or downgrade new RSVP sessions if all reservable bandwidth is booked somewhere in a path.
- C. RSVP signaling is a scalable way to ensure all devices maintain an accurate picture of the network state.
- D. They enable the network to guarantee necessary QoS to individual data flows.
- E. The IntServ class-based approach is easy to design and implement.

Answer: A, B, D

QUESTION: 3

Which statement about the rates and statistics (such as match, transmit, drop, and police) shown in the show policy-map interface output is true?

- A. The rates are computed as a moving average of instantaneous rates.
- B. The rates are displayed in real time, which matches the actual traffic rate.
- C. The matched statistics of the packet can be cleared only when the router reboots.
- D. The matched statistics of the packet are displayed in real time.
- E. The traffic policing statistics are displayed in real time.

Answer: A

QUESTION: 4

Which four factors can be used for packet classification in a QoS-aware network device?
(Choose four.)

- A. source address
- B. destination address
- C. DSCP
- D. TTL
- E. MQC
- F. IP precedence

Answer: A, B, C, F

QUESTION: 5

What are the three primary types of faults associated with QoS fault management?
(Choose three.)

- A. classification faults
- B. buffer faults
- C. queue faults
- D. marking faults
- E. assurance faults
- F. physical faults

Answer: A, D, E

QUESTION: 6

Which are the two locations where the SP network device always trusts the QoS markings from its upstream neighbor? (Choose two.)

- A. at the ingress PE
- B. at the egress PE
- C. in the SP core
- D. at the ingress CE
- E. at the egress CE

Answer: B, C

QUESTION: 7

Which of these correctly describes traffic classification using qos-group?

- A. qos-group marking is automatically mapped to MPLS EXP marking.
- B. qos-group is only applicable to an MPLS-enabled router.
- C. qos-group marking value ranges from 0 to 7.
- D. qos-group is local to the router.

Answer: D

QUESTION: 8

Which two IP SLA Probe types can be used to measure voice quality? (Choose two.)

- A. HTTP
- B. ICMP Path Jitter
- C. UDP Echo
- D. UDP Jitter
- E. UDP Delay
- F. UDP MOS

Answer: B, D

QUESTION: 9

Refer to the exhibit.

```

class-map match-any REALTIME
  match dscp ipv4 46
  match dscp ipv4 40
!
class-map match-all CLASS-A
  match protocol SAP
!
class-map match-any CLASS-B
  match dscp ipv4 10
!
policy-map POLICY-SHAPE
  class REALTIME
    bandwidth percent 25
  class CLASS-A
    bandwidth percent 20
  class CLASS-B
    bandwidth 192
    shape average 128000
    queue-limit 64

```

Traffic in CLASS-B is not getting a minimum bandwidth of 192 kb/s in this policy map. What can be done to correct this?

- A. No changes are needed, the site is already correct.
- B. The shape peak command should be used instead of the shape average command.
- C. Set the shape rate to a CIR higher than 192 kb/s.
- D. Decrease the maximum queue size.

Answer: C

QUESTION: 10

Which of these describes Short Pipe mode in QoS for MPLS VPN service providers?

- A. Service provider can remark customer DSCP values.
- B. Service provider does not remark customer DSCP values. (Service provider uses independent MPLS EXP markings.) Final PE-to-CE policies are based on service provider markings.
- C. The customer and service provider share the same DiffServ domain.
- D. Service provider does not remark customer DSCP values. (Service provider uses independent MPLS EXP markings.) Final PE-to-CE policies are based on customer markings.

Answer: D

QUESTION: 11

Refer to the exhibit.



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