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Exam : Cisco 642-642

Title : Cisco® Quality of Service (QoS)

Version : **DEMO**

No PASS
No FEE

1. What is the purpose of the qos pre-classify command?

- A. to enable the IOS to copy the ToS field from the original IP header to the outer tunnel IP header
- B. to enable the IOS to copy the ToS field from the outer tunnel IP header back into the original IP header
- C. to enable the IOS to classify the packet based on the original IP header instead of the tunnel IP header
- D. to enable the IOS to classify the packet based on the outer tunnel IP header instead of the original IP header
- E. to enable class-based marking on tunnel interface
- F. to enable class-based marking on IPSec crypto maps

Answer: C

2. What are two benefits of WFQ? (Choose two.)

- A. WFQ is very easy to configure, and no manual traffic classification is necessary.
- B. WFQ can provide fixed-bandwidth and fixed-delay guarantees.
- C. WFQ can provide fixed-bandwidth guarantees.
- D. WFQ can provide fixed-delay guarantees.
- E. WFQ prevents the large-volume flows with large packet size from starving out the low-volume flows with small packet size.
- F. Based on DSCP, WFQ allows weighted, random dropping of packets when the WFQ system is full.

Answer: AE

3. Based on the configuration, which two of the following statements are true? (Choose two.)

```
policy-map police1
  class bulk-ftp
    police cir percent 20 pir percent 40
    conform-action set-dscp-transmit af11
    exceed-action set-dscp-transmit 0
    violate-action drop
```

- A. This configuration will use a single token bucket.
- B. This configuration will drop all exceeding traffic.
- C. This is a dual-rate, class-based policing example.
- D. This is a percentage-based policing example.
- E. This is a multi-action, class-based policing example.

Answer: CD

4. Based on the configuration, which two statements are true? (Choose two.)

```
policy-map shape-cbwfq
class interactive
  shape average 256000
  shape adaptive 128000
bandwidth 128
```

- A. The interactive traffic class will have a minimum bandwidth guarantee of 256 kbps.
- B. The interactive traffic class will have a maximum bandwidth guarantee of 256 kbps.
- C. If the interactive traffic class exceeds an average rate of 256 kbps, the traffic rate will be throttled down to 128 kbps.
- D. This configuration allows class-based traffic shaping to lower the traffic rate in response to the BECN bit.
- E. The interactive traffic class will have a min-rate (min-cir) of 128 kbps.

Answer:DE

5.Which technology is required when configuring FRF.12 on a Cisco device?

- A. FRF11.c
- B. FRF.8
- C. VoFR
- D. MLP with interleaving
- E. FRTS
- F. WRED

Answer:E

6.What are three methods of reducing delay for critical applications in a converged network?
(Choose three.)

- A. Apply payload compression.
- B. Increase link capacities.
- C. Apply header compression.
- D. Increase LFI fragment size.
- E. Reduce inter-packet gaps.
- F. Increase all queue depths.

Answer:ABC

7.At the network layer, IP packets are typically classified based on which three items? (Choose three.)

- A. packet length
- B. VLAN Identifier
- C. flow control bits
- D. source and destination IP addresses
- E. content of the ToS byte

Answer:ADE

8.What are three reasons link efficiency mechanisms are deployed on WAN links? (Choose three.)

- A. decrease delay
- B. decrease jitter
- C. increase link speed
- D. increase throughput
- E. decrease propagation delay

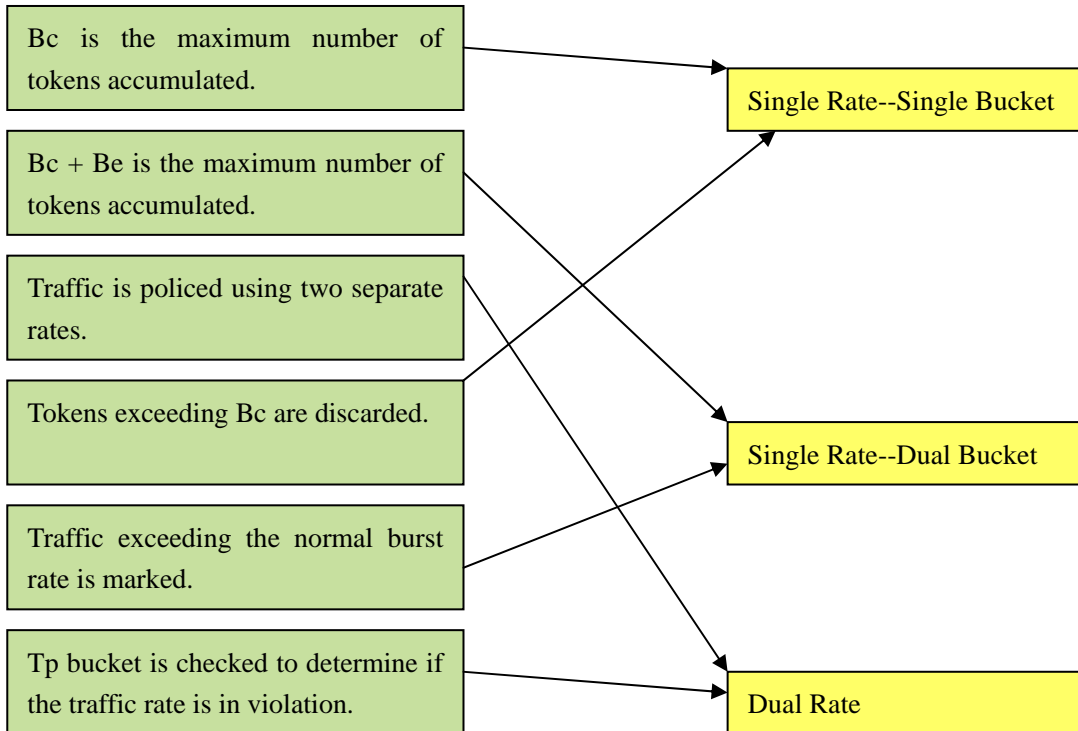
Answer:ABD

9.Which mechanism is used for the prioritizing, protection, and isolation of traffic based on marking?

- A. classification and marking
- B. congestion management
- C. congestion avoidance
- D. metering
- E. policing
- F. shaping

Answer:B

10. Click and drag each statement on the left to the proper traffic policing method on the right.



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