

**Exam** : [Cisco 642-845](#)

**Title** : **Optimizing Converged Cisco  
Networks**

**Version** : **Demo**

1. Which two QoS statements are true about the use of the SDM QoS wizard? (Choose two.)

- A. Business-critical traffic includes VoIP and voice signaling packets.
- B. SDM can be used to configure a basic QoS policy for incoming traffic on WAN interfaces and IPsec tunnels.
- C. SDM can provide QoS for real-time traffic and business-critical traffic.
- D. SDM creates a custom-queuing (CQ) or a priority-queuing (PQ) policy.
- E. SDM creates a low latency queuing (LLQ) service policy with its associated classes.
- F. When allocating bandwidth, values can be entered in either bandwidth percentage or kilobytes per second (kBps).

**Answer:** CE

2. Which two Cisco AutoQoS interface statements are true? (Choose two.)

- A. AutoQoS is supported on Frame Relay multipoint subinterfaces.
- B. AutoQoS is supported on low-speed ATM PVCs in point-to-point subinterfaces.
- C. AutoQoS is supported on serial PPP and HDLC interfaces.
- D. AutoQoS is supported only on Frame Relay main interfaces and not on any subinterface configuration.

**Answer:** BC

3. Which two wireless security statements are true? (Choose two.)

- A. A TACACS+ server is required to implement 802.1x.
- B. MIC protects against man-in-the-middle and replay attacks.
- C. The 802.1x standard provides encryption services for wireless clients.
- D. The AES (symmetric block cipher) is specified in the IEEE 802.11i specification.
- E. The IEEE 802.11i specification uses RC4 as its encryption mechanism.
- F. WPA requires TKIP and AES as encryption methods.

**Answer:** BD

4. Which two statements regarding the Wireless LAN Solution Engine (WLSE) are true? (Choose two.)

- A. To support fault and policy reporting, the WLSE requires a Wireless Control System (WCS).
- B. When WLSE detects an AP failure, it automatically increases the power and cell coverage of nearby

APs.

C. WLSE requires the 2700 location appliance to offer location tracking.

D. WLSE can locate rogue APs and automatically shut them down.

E. WLSE configuration is done using the command line interface (CLI) or a WEB based template.

**Answer: BD**

5. Which two statements are true about the function of CAC? (Choose two.)

A. CAC provides guaranteed voice quality on a link.

B. CAC artificially limits the number of concurrent voice calls.

C. CAC is used to control the amount of bandwidth that is taken by a call on a link.

D. CAC prevents oversubscription of WAN resources that is caused by too much voice traffic.

E. CAC allows an unlimited number of voice calls while severely restricting, if necessary, other forms of traffic.

F. CAC solves voice congestion problems by using QoS to give priority to UDP traffic.

**Answer: BD**

6. Which two statements are true about the implementation of QoS? (Choose two.)

A. Implementing DiffServ involves the configuration of RSVP.

B. Implementing IntServ allows QoS to be performed by configuring only the ingress and egress devices.

C. Implementing IntServ involves the utilization of RSVP.

D. Traffic should be classified and marked by the core network devices.

E. Traffic should be classified and marked as close to the edge of the network as possible.

**Answer: CE**

7. Which three configuration tasks are required to successfully deploy NBAR to recognize TCP and UDP stateful protocols? (Choose three.)

A. Over leased lines, use the multilink ppp command to reduce latency and jitter, and to create Distributed Link Fragmentation and interleaving.

B. Use the service-policy command to attach a traffic flow to an interface on the router.

C. Use the ip rsvp bandwidth command to set a strict upper limit on the bandwidth NBAR uses, and to

guarantee admission of any flows.

D. Use the policy-map command to define one or more QoS policies (such as shaping, policing, and so on) to apply to traffic defined by a class map.

E. Use the random-detect dscp command to modify the default minimum and maximum thresholds for the DSCP value.

F. Use the class-map command to define one or more traffic classes by specifying the criteria by which traffic is classified.

**Answer:** BDF

8. Which codec standard would provide the highest voice-quality, mean opinion score (MOS)?

A. G.711, PCM

B. G.728, LDCELP

C. G.729, CS-ACELP

D. G.729A, CS-ACELP

**Answer:** A

9. Voice activity detection (VAD) suppresses the transmission of silence patterns. On average, and assuming that a link carries at least 24 calls, what percentage of total bandwidth could VAD save?

A. 5

B. 15

C. 25

D. 35

E. 45

F. 55

**Answer:** D

10. What are the steps for configuring stateful NBAR for dynamic protocols?

A. Use the command ip nbar protocol-discovery to allow identification of stateful protocols. Use the command ip nbar port-map to attach the protocols to an interface.

B. Use the command match protocol rtp to allow identification of real-time audio and video traffic. Use the

command `ip nbar port-map` to extend the NBAR functionality for well-known protocols to new port numbers.

C. Use the command `match protocol` to allow identification of stateful protocols. Use the command `ip nbar port-map` to attach the protocols to an interface.

D. Configure a traffic class. Configure a traffic policy. Attach the traffic policy to an interface.

E. Configure video streaming. Configure audio streaming. Attach the codec to an interface.

**Answer: D**