

# 642-437

## Cisco

*Implementing Cisco Unified Communications Voice over IP and QoS v8.0  
(CVOICE v8.0)*

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<b>Exam Name:</b>	<b>Implementing Cisco Unified Communications Voice over IP and QoS v8.0 (CVOICE v8.0)</b>		
<b>Exam Type:</b>	<b>Cisco</b>	<b>Exam Code:</b>	<b>642-437</b>
<b>Certification:</b>	<b>Cisco Certified Voice Professional (CCVP)</b> <b>Cisco Certified Network Professional (CCNP)</b>	<b>Total Questions:</b>	<b>59</b>

**Question: 1**

What is the function of class-based marking?

- A. Marking packets based on CoS value, IP precedence value, or DSCP value allows Layer 3 frames to be identified and distinguished from other packets.
- B. Marking frames based only on CoS value or IP precedence value allows Layer 2 frames to be identified and distinguished from other frames.
- C. Marking packets or frames sets information in the Layer 2 and Layer 3 headers of a packet so that the packet or frame can be identified and distinguished from other packets or frames.
- D. Marking frames only sets information in the Layer 2 headers of a frame so that the frame can be identified and distinguished from other packets or frames.

**Answer: A**

**Question: 2**

Voice packets are arriving at a destination with a variance of between 20 and 50 ms. If the jitter buffer has a capacity of 30 ms, what is the impact on the audio at the receiving IP phone?

- A. The jitter buffer will replay the previous voice packets to replace those packets that exceed 30ms to avoid speech gaps.
- B. The audio stream at the receiving IP phone will be delayed and garbled.
- C. The DSP will automatically increase the jitter buffer size after sampling the range of incoming voice packets to accommodate the wider range in variation of voice packet arrival times to avoid voice gaps.
- D. The IP phone will negotiate, in mid-call, a lower bandwidth codec to reduce the delay in the arrival of voice packets to avoid voice gaps.

**Answer: B**

**Question: 3**

```

ephone 1
  mac-address 0023.5322.98BA
  button 101,10,11,12
!
ephone 2
  mac-address 0023.5322.98BA
  button 102,10,11,12

```

Refer to the exhibit. Which type of ephone-dn is configured for the two ephones that are shown?

- A. Single-line-octo
- B. Hunt line
- C. Shared-line, nonexclusive
- D. Two directory numbers with one telephone number
- E. Shared-line, overlay
- F. Octo-line

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**Answer: E**

**Question: 4**

```

!
telephony-service
max-ephones 6
max-dn 12
max-conferences 8 gain -6
transfer-system full consult
!

```

Refer to the exhibit. Cisco Unified Communications Manager Express has been partially configured to support 6 IP phones and 12 directory numbers. The Cisco Unified Communications Manager Express will use the IP address 10.1.130.1/24. Which two elements of the configuration are missing from the command output and need to be added so that phones do not auto-register, but can manually register with Cisco Unified Communications Manager Express? (Choose two.)

- A. Ip address 10.1.130.1
- B. Noreg-ephone
- C. Create profile
- D. Ip source-address 10.1.130.1
- E. Createcnf-files
- F. No auto-reg-ephone

**Answer: D, F**

**Question: 5**

How does LLO ensure that voice traffic is always expedited?

- A. LLO adds a strict priority class to CBWFO. This class allows delay-sensitive data such as voice to be queued and sent first.
- B. LLO uses CBWFO to prioritize voice traffic adequate the voice packets so that they can be handled first.
- C. The strict priority queue has a higher weight than the queues in CBWFO. This weight allows the delay-sensitive data such as voice to be queued and sent first.
- D. The LLO strict priority queue allows delay-sensitive data such as voice to be queued and sent first (before packets in other queues are dequeued), giving delay-sensitive data preferential treatment over other traffic.

**Answer: D**

**Question: 6**

Your PSTN carrier sends digits to your T1 PRI circuit in a digit-by-digit format. How must the T1 PRI circuit be configured to support this capability?

- A. The T1 PRI controller supports either en-bloc or digit-by-digit formats natively.

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