



Vendor: Cisco

Exam Code: 642-437

Exam Name: Implementing Cisco Voice Communications and QoS v8.0 (CVOICE v8.0)

Version: DEMO

QUESTION 1

Which codec supports VAD and CNG?

- A. G.723.1
- B. G.726
- C. G.729B
- D. G.711

Answer: C

QUESTION 2

Which command should you use when checking for phone registration status or verifying button assignments?

- A. show IP phone
- B. show ephone-dn 9
- C. show ephone
- D. show telephony-service

Answer: C

QUESTION 3

Which option inside DHCP pool configuration gives a TFTP server to a Cisco IP phone?

- A. option 82
- B. option 110
- C. option 150
- D. option 176

Answer: C

QUESTION 4

Which two signaling methods are supported on Cisco FXO and FXS ports? (Choose two.)

- A. loop-start
- B. ground-start
- C. AMI
- D. E&M
- E. kewlstart

Answer: AB

QUESTION 5

Which media resource requires hardware digital signal processors?

- A. conference bridge
- B. music on hold
- C. annunciator

D. transcoding

Answer: D

QUESTION 6

Which four commands are used to configure VoIP dial peers? (Choose four.)

- A. forward-digits
- B. destination-pattern
- C. description
- D. dial-peer voice
- E. codec
- F. port number
- G. prefix
- H. session target

Answer: BDEH

QUESTION 7

What are two benefits of using the DiffServ model? (Choose two.)

- A. DiffServ is a flow-based architecture.
- B. DiffServ is highly scalable.
- C. DiffServ keeps flow state on each node in the network.
- D. DiffServ supports a large number of service classes.
- E. DiffServ uses repetitive signaling for each flow.

Answer: BD

QUESTION 8

What is the decimal equivalent of the DSCP value AF21?

- A. 16
- B. 17
- C. 18
- D. 21

Answer: C

QUESTION 9

If a packet is marked with an IP precedence value of 011, what is the corresponding binary DSCP class-selector value?

- A. 000011
- B. 011110
- C. 011000
- D. 011010
- E. 011100

Answer: C

QUESTION 10

In which situation would the trust boundary be located at the access layer?

- A. if the endpoints, both IP phones and PCs, are incapable of marking traffic properly
- B. if PCs are switched through an IP phone and the IP phone traffic can be trusted to mark both traffic streams properly
- C. if the access layer switch cannot trust or re-mark incoming traffic from endpoints properly
- D. if there are endpoints that cannot be trusted and connect directly to the distribution layer

Answer: A

QUESTION 11

Refer to the exhibit. How does a switch port that receives marked traffic from a Cisco IP phone use the mls qos trust cos command?

Default CoS-to-DSCP Map								
CoS Value	0	1	2	3	4	5	6	7
DSCP Value	0	8	16	26	32	40	48	56

```
mls qos trust device cisco-phone  
mls qos trust cos
```

- A. The CoS setting is modified according to the CoS-to-DSCP map.
- B. CoS is used to select the ingress and egress queues.
- C. For non-IP packets, the CoS is set to 7 and DSCP-to-CoS mapping is not applied.
- D. The DSCP-to-CoS map is applied.

Answer: A

QUESTION 12

Which command should be included in order to trust the DSCP-marked traffic from the distribution layer?

- A. mls qos trust cos
- B. mls trust dscp-cos
- C. mls qos trust dscp
- D. mls qos trust dscp-cos

Answer: C

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