Vendor: Cisco

Exam Code: 642-437

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

Version: DEMO

QUESTION 1
A small office needs to provide outbound dialing and inbound DID without the cost of a T1 circuit. All signaling is loop-start. Which analog port configuration will support these requirements?

A. ```
voice-port 0/0/0/
description fxs-did
signal did loop-start
!
voice-port 0/1/0
description fxo
signal loop-start
!
dial-peer voice 1 pots
incoming called-number .
direct-inward-dial
port 0/0/0
!
dial-peer voice 90 pots
destination-pattern 9T
port 0/1/0
```

B. ```
voice-port 0/0/0
signal loop-start
!
voice-port 0/1/0
signal loop-start
!
dial-peer voice 1 pots
incoming called-number T
direct-inward-dial
!
dial-peer voice 90 pots
destination-pattern 9T
port 0/1/0
```

C. ```
voice-port 0/1/0
signal did loop-start
!
dial-peer voice 1 pots
incoming called-number .
!
dial-peer voice 90 pot
destination-pattern 9T
port 0/1/0
```

D. ```
voice-port 0/0/0
signal did loop-start
!
dial-peer voice 1 pots
incoming called-number .
direct-inward-dial
!
dial-peer voice 90 pots
destination-pattern 9T
port 0/0/0
```

Answer: A

QUESTION 2
A voice gateway has the isdn switch-type command in the global configuration and on the T1 signaling channel. Which configuration takes precedence if the two configurations are different?

A. The configuration in the global configuration always takes precedence over the interface configuration.
B. The voice gateway parses the configuration from top to bottom and will use the first isdn switch-type entry.
C. The voice gateway will use the isdn switch-type command that matches the ISDN switch that is connected to the T1 controller.
D. The configuration in the T1 controller portion of the Cisco IOS configuration takes precedence over the isdn switch-type command in the global configuration.
E. The configuration under the ISDN signaling channel takes precedence over the isdn switch-type command in the global configuration.

Answer: E

QUESTION 3
What is the reason that a call succeeds when COR is applied to the incoming dial peer and is equal to or greater than the COR settings that are applied to the outgoing dial peer?

A. The COR list for incoming calls on the incoming dial peer is a superset of COR lists for outgoing calls on the outgoing dial peer.
B. COR lists for incoming calls on the incoming dial peer are not a superset of COR lists for outgoing calls on the outgoing dial peer.
C. The outgoing dial peer, by default, has the lowest priority.
D. The incoming dial peer, by default, has the highest COR priority when no COR is applied.

Answer: A

QUESTION 4
Calls are failing to reach the E1 PRI circuit on the PSTN gateway.
Which command would be useful in determining if the dial peers are configured properly?

A. debug voice dial-peer
B. debug isdn q921
C. ccapi inout
D. show controller e1 0/0/0
E. debug voice circuit

Answer: A

QUESTION 5
Refer to the exhibit. When an inbound PSTN call from 4087071222 arrives at the ISDN port that is shown in the exhibit, which dial peer will be matched for the inbound leg?

```
!
dial-peer voice 123 pots
 destination-pattern 4087071222
direct-inward-dial
 port 0/0/0:23
!
 !
dial-peer voice 2123 pots
 answer-address 4087071222
 port 0/0/0:23
!
voice-port 0/0/0:23
```

A. Dial-peer 123, because incoming called-number takes precedence over answer-address.
B. Dial-peer 2123, because answer-address takes precedence over incoming called-number.
C. The matching inbound dial peer will be selected at random.
D. Although dial-peer 123 takes precedence, there is no direct-inward-dial that is configured, therefore 2123 will be selected.
E. Although dial-peer 123 takes precedence, there is no port that is configured under dial-peer 123, therefore dial-peer 2123 will be selected.

Answer: A

QUESTION 6
Which four interworking call flows are associated with a Cisco Unified Border Element using media flow-around? (Choose four.)

A. H.323 fast start to H.323 fast start
B. H.323 slow start to SIP delayed offer
C. SIP early offer to SIP delayed offer
D. SIP delayed offer to SIP delayed offer
E. H.323 fast start to H.323 slow start
F. SIP early offer to H.323 fast start

Answer: ACDE

QUESTION 7
Which three methodologies are specific types of QoS used on a 512-kb/s point-to-point IP WAN link? (Choose three.)

A. header compression
B. FRF.12

C. LLQ
D. Multilink PPP
E. RSVP

Answer: ABC

QUESTION 8
What are the three acceptable values for one-way delay, jitter, and packet loss in a VoIP network? (Choose three.)

A. 0-400 ms for delay
B. 1 packet loss
C. 20 ms for jitter
D. 0-150 ms for delay
E. 1 percent packet loss
F. 30 ms for jitter

Answer: AEF

QUESTION 9
How does DiffServ deliver QoS across the network?

A. DiffServ classifies and marks traffic at each node in the network.
B. When using DiffServ, the network tries to deliver a particular kind of service that is based on the QoS that is specified by each packet.
C. DiffServ tries to deliver a particular level of service on a per-flow basis across the network.
D. DiffServ delivers a particular kind of service based on either a flow-based behavior or a per-hop behavior, depending on how the traffic was marked and classified at ingress.

Answer: A

QUESTION 10
When marking traffic for Expedited Forwarding, how does a device that is not capable of recognizing DSCP interpret the EF binary string 101110?

A. The device that cannot recognize DSCP will use best effort to forward the packet.
B. The device that does not recognize DSCP will use 110 as the CoS value and forward the packet with a CoS of 6.
C. The first device in the network that does not recognize DSCP will use 110 as the CoS value and will replace the DSCP value with a CoS of 6 and forward the packet.
D. The devices in the network that do not recognize DSCP will use the three high-order DSCP bits as the CoS setting, resulting in a CoS value of 5.

Answer: D

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