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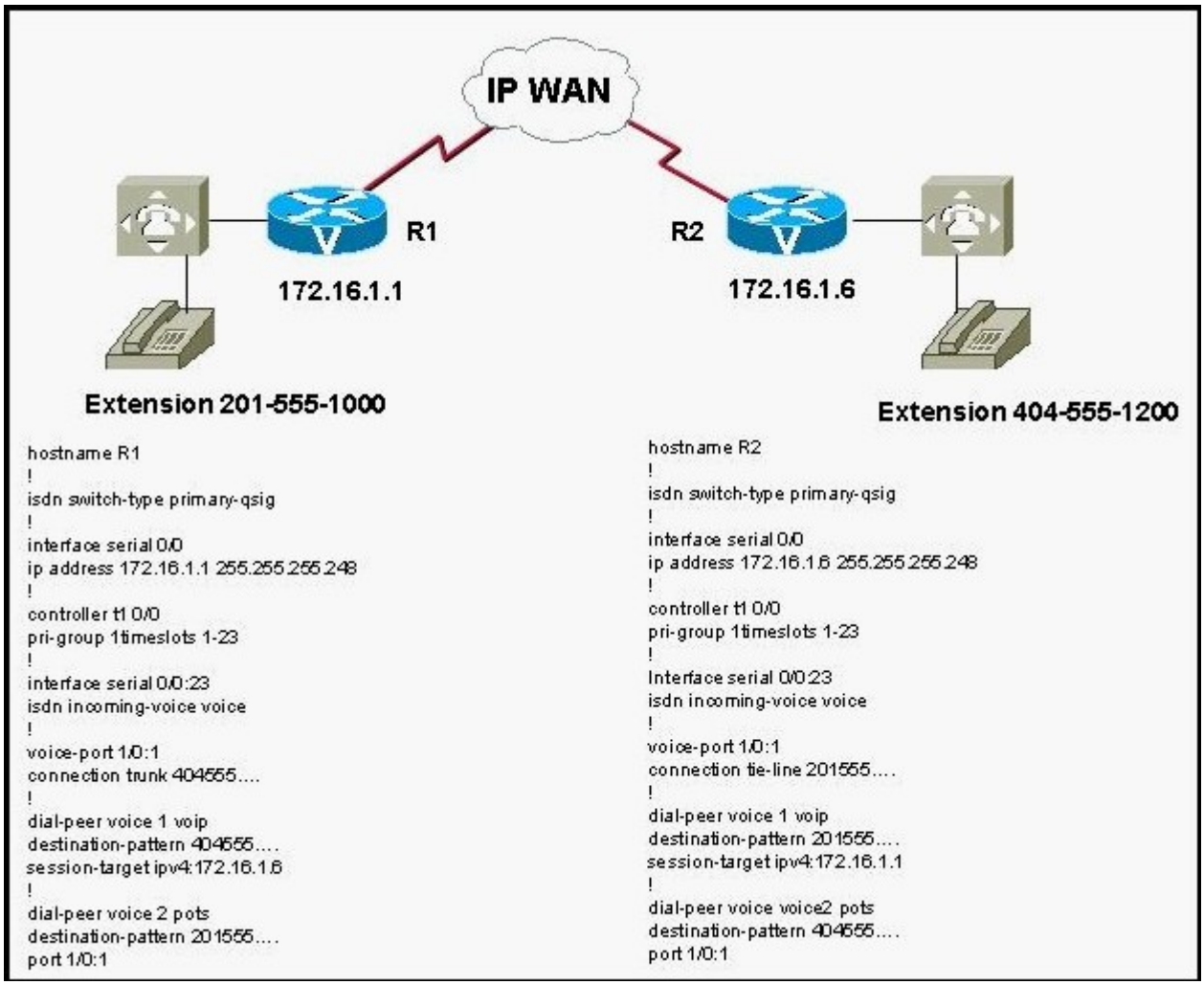
Exam : **642-432**

Title : Cisco Voice Over IP

Version : DEMO

1.You are working with a potential customer that would like to integrate its existing PBX telephone system into its IP network. The accompanying figure shows that the customer has two offices that need to be connected to the IP network so that the customer can exchange telephone calls without using the PSTN. Both PBXs are currently connected to T1 ISDN circuits. Which signaling type will allow you to support your customer?



A.QSIG
B.CCS
C.CAS
D.T-CCS
E.E&M
F.FXO

Correct:C

2.You are meeting with a customer that has deployed IP telephony at their headquarters location. They would like to roll out IP telephony to their regional office as well. They are now using the G.711 codec at headquarters. They want to be able to maximize the number of calls carried without impacting voice quality or forcing a WAN upgrade. Which codec would be appropriate for their WAN?

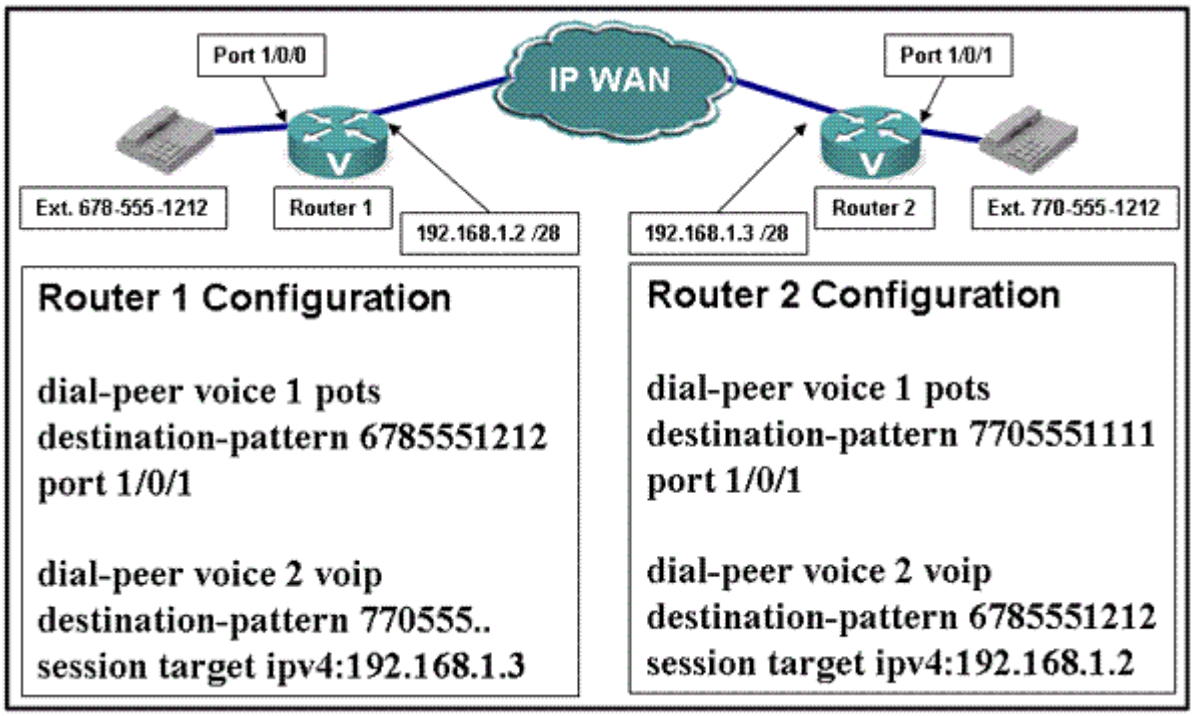
A.G.726
B.G.723.1

C.G.711

D.G.729B

Correct:D

3.Refer to the exhibit. Users are not able to complete a call from 678-555-1212 to 770-555-1111. What is the correct diagnosis for the problem?



A.incorrect dial-peer statement in Router 1

B.incorrect port statement in Router 1 pots dial peer

C.incorrect session-target statement in Router 2

D.incorrect destination-pattern in Router 1

Correct:D

4.You have been forwarded some questions by a prospective VoIP customer who would like to know the Cisco default sample size for the G.729 codec. What is it?

A.40 ms

B.30 ms

C.20 ms

D.10 ms

Correct:C

5.Examine the example output. hostname GW1 ! interface Ethernet 0/0 ip address 172.16.2.1 255.255.255.0 h323-gateway voip interface h323-gateway voip id GK1-zone1.abc.com abc.com ipaddr 172.16.2.2 h323-gateway voip h323-id GW1 h323-gateway voip bind srcaddr 172.16.2.1 ! dial-peer voice 1 voip destination-pattern 1212. session-target ras ! dial-peer voice 2 pots destination-pattern 2125551212 no register e164 ! end Choose the command that will restore communication with gatekeeper functionality to this device.

A.h323-gateway voip h323-id GK1

B.gateway

C.h323-gateway voip bind srcaddr 172.16.2.2

D.h323-gateway voip GW1-zone2.abc.com abc.com ipaddr 172.16.2.1

Correct:B

6.Which preference key word assigns top precedence to a dial peer in a hunt-group?

A.0

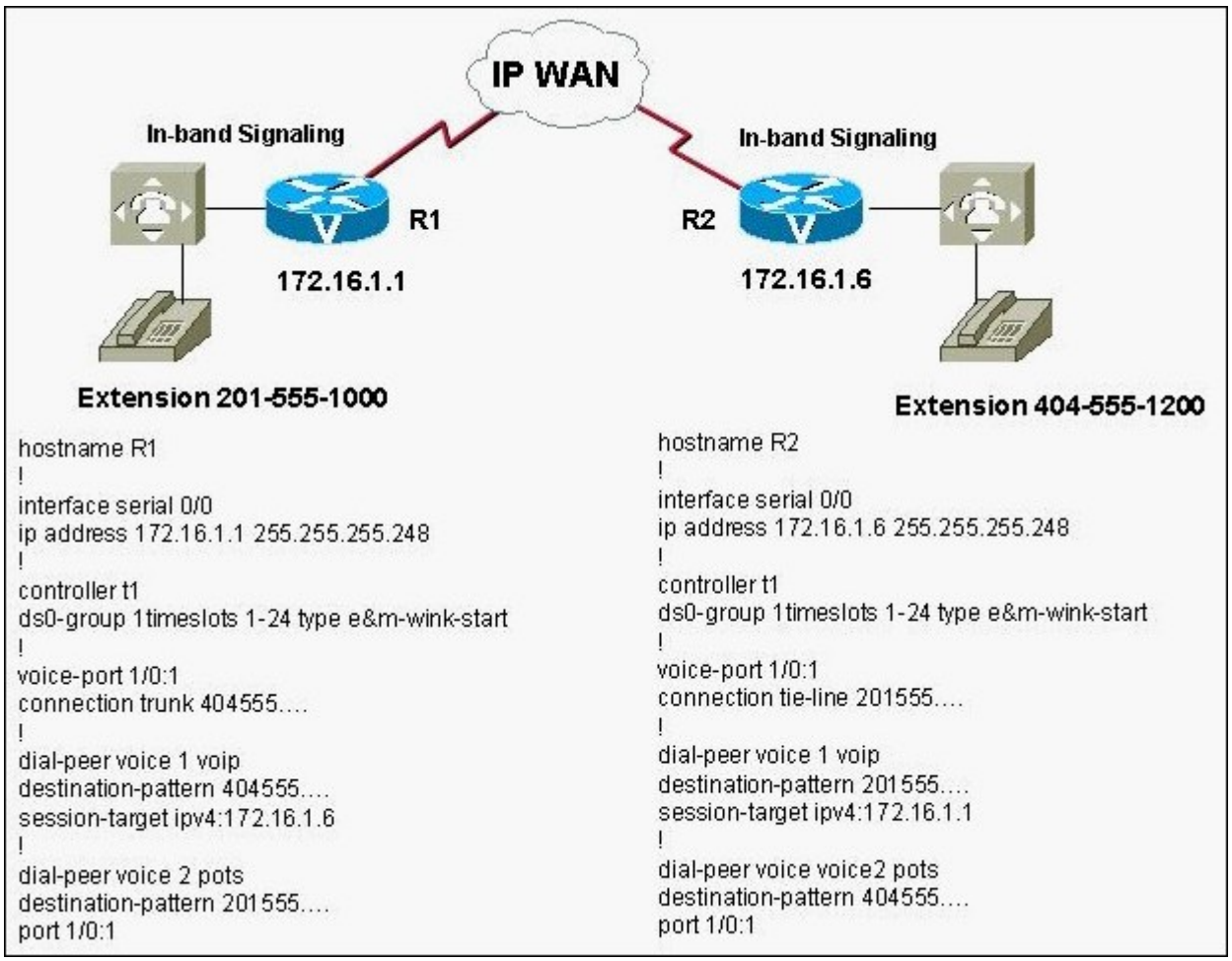
B.priority

C.1

D.high

Correct:A

7.You are working with a potential customer that would like to integrate its existing PBX telephone system into its IP network. The accompanying figure shows that the customer has two offices that need to be connected to the IP network so that the customer can exchange telephone calls without using the PSTN. Both PBXs use Wink-Start signaling. Which signaling type will allow you to support the customer?



A.QSIG

B.CCS

C.CAS

D.T-CCS

E.E&M

F.FXO

Correct:E

8.A 9 digit number must be dialed to reach numbers on the PSTN. What process makes sure that the first digit 9 is not transmitted as part of the called number?

A.digit alternating

B.digit masking

C.digit manipulation

D.digit seizing

Correct:C

9.What is the E.164 numbering plan?

A.a proprietary PBX number plan

B.the IETF North American number plan

C.the European PBX standard telephony number plan

D.the ITU worldwide number plan

Correct:D

10.Refer to the exhibit. What is the minimum WAN bandwidth required to support three simultaneous VoIP calls in this network?

Network Characteristics

G.729 codec
40-byte payload size
Frame Relay without cRTP
FRF.12 with 6 bytes of overhead

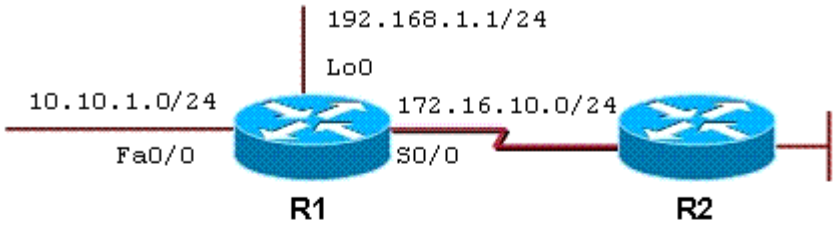
A.19,200 bps

B.51,600 bps

C.79,200 bps

D.247,200 bps

Correct:B




```
hostname R1
!
interface Fa0/0
 ip address 10.10.1.1 255.255.255.0
!
interface serial0/0
 ip address 172.16.10.1 255.255.255.0
!
interface Lo0
 ip address 192.168.1.1 255.255.255.0
!
router ospf 100
 passive-interface Serial0/0
 network 172.16.10.0 0.0.0.255 area 0
 network 192.168.1.0 0.0.0.255 area 0
 network 10.10.1.0 0.0.0.255 area 4
!
<output omitted>
```

A.Yes, they will meet the recommendation for most user applications.

B.No, they will not meet the recommendation for general network purposes.

C.No, but they will be acceptable for time-sensitive transaction processing.

D.Yes, they will meet the recommendation, provided the administrators understand the implications.

Correct:B