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QUESTION & ANSWER

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Exam : **640-444**

Title : Cisco IP Telephony (CIPT)

Version : Demo

1. Which four characteristics would typically be used to define a device pool? (Choose four.)
A. geographic proximity
B. common use of codecs
C. common MOH source
D. common device type
E. common class of service
F. common calling search spaces for auto-registration
Answer:ABCF

2. What method of Call Admission Control (CAC) is used for centralized call processing? A. locations
B. regions
C. gatekeeper
D. H.225
E. gateway
F. H.323
Answer:A

3. Two options exist for adding a gatekeeper-controlled trunk to support gatekeeper call administration control. Which two of the following options could be selected to configure the trunk type as shown in the exhibit? (Choose two.)

```
Partition = Phones

Partition = Service
   Route Pattern X11

Partition = Local
    Route Pattern X11
    Route Pattern 9.@

Partition = LongDistance
   Route Pattern X11
   Route Pattern 9.[2-9]XXXXXX
   Route Pattern 9.1[2-9]XX[2-9]XXXXXX

Partition = International
   Route Pattern 9.011!


CSS A
   Phones
   Service

CSS B
   Service
   Local
   LongDistance

CSS C
   LongDistance

CSS D
   Phones
   LongDistance
```


```
Partition = Phones

Partition = Service
   Route Pattern X11

Partition = Local
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Partition = LongDistance
   Route Pattern X11
   Route Pattern 9.[2-9]XXXXXX
   Route Pattern 9.1[2-9]XX[2-9]XXXXXX

Partition = International
   Route Pattern 9.011!


CSS A
   Phones
   Service

CSS B
   Service
   Local
   LongDistance

CSS C
   LongDistance

CSS D
   Phones
   LongDistance
```
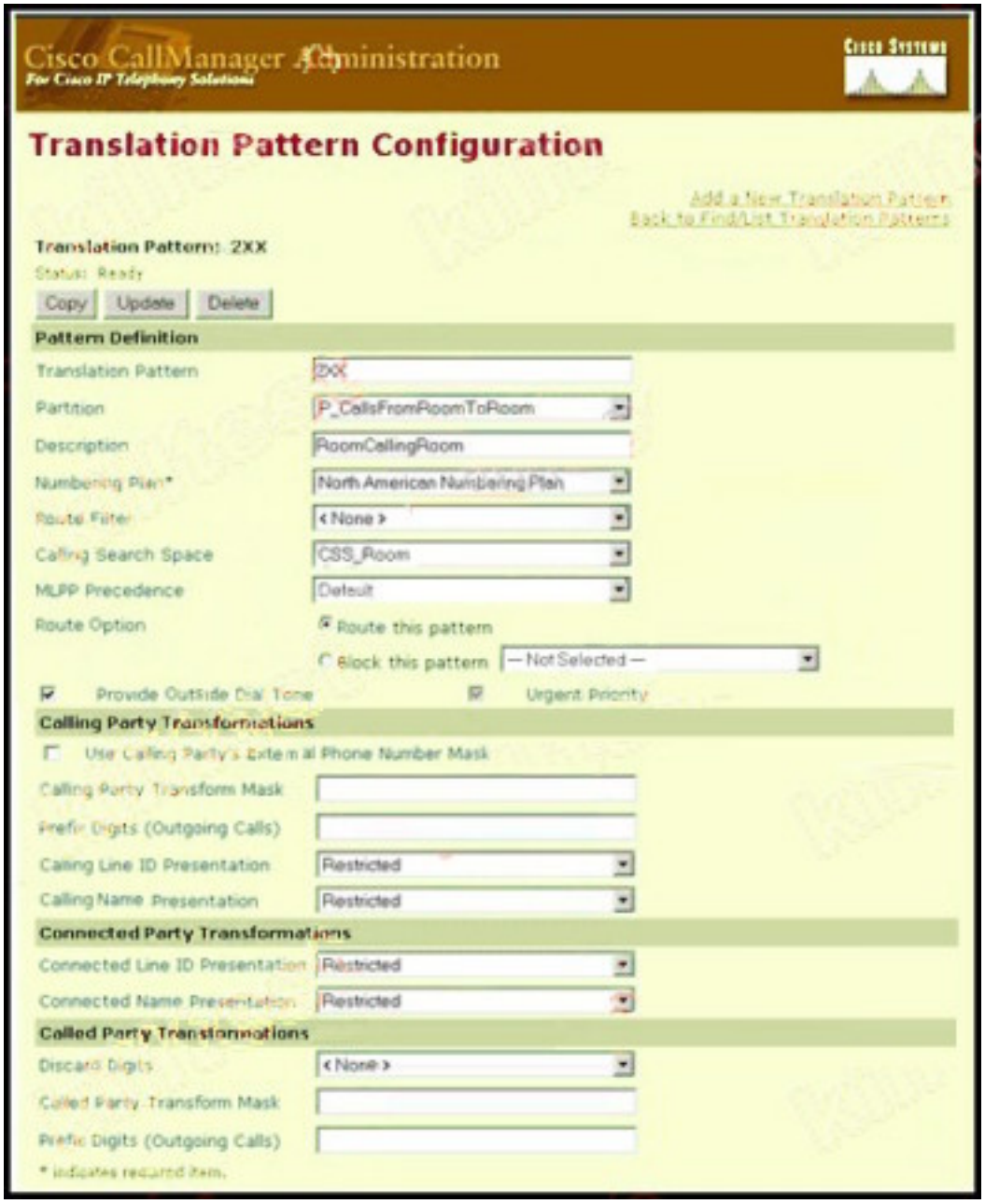
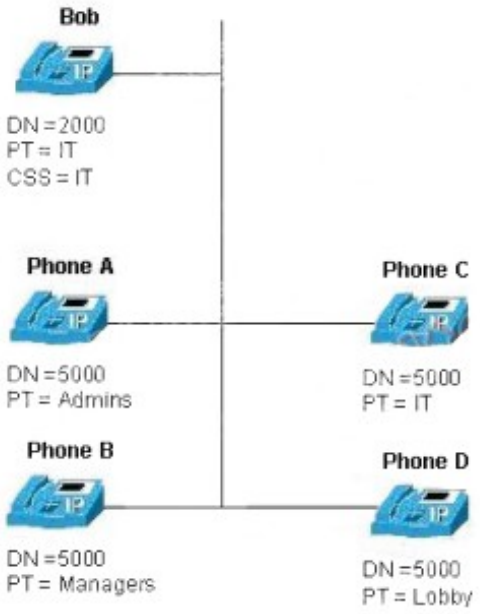
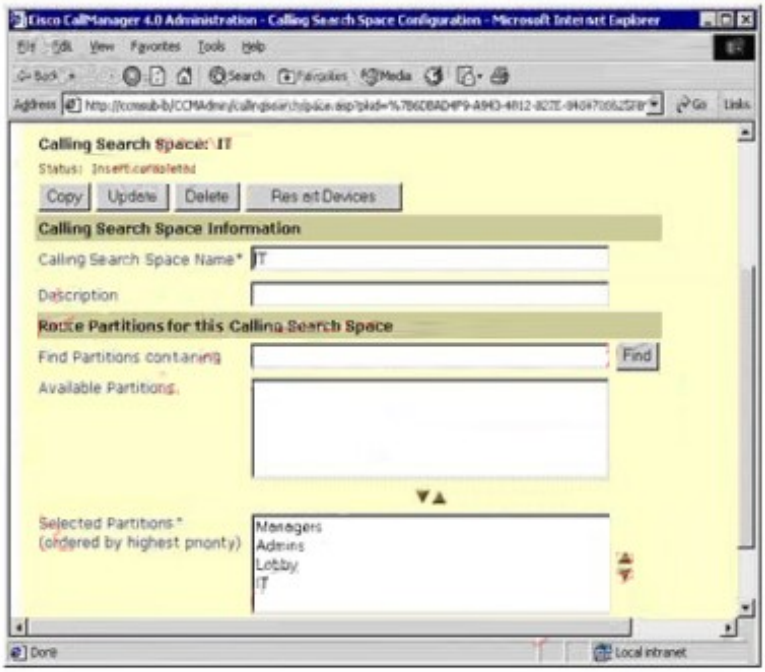
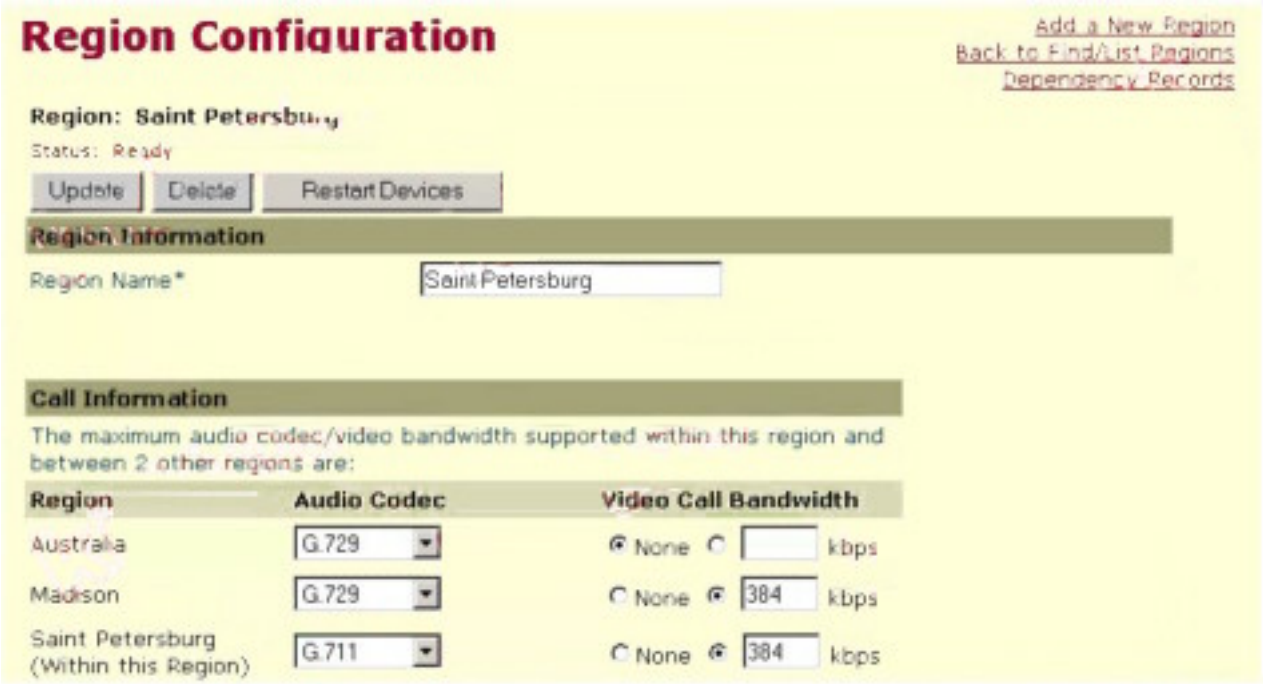
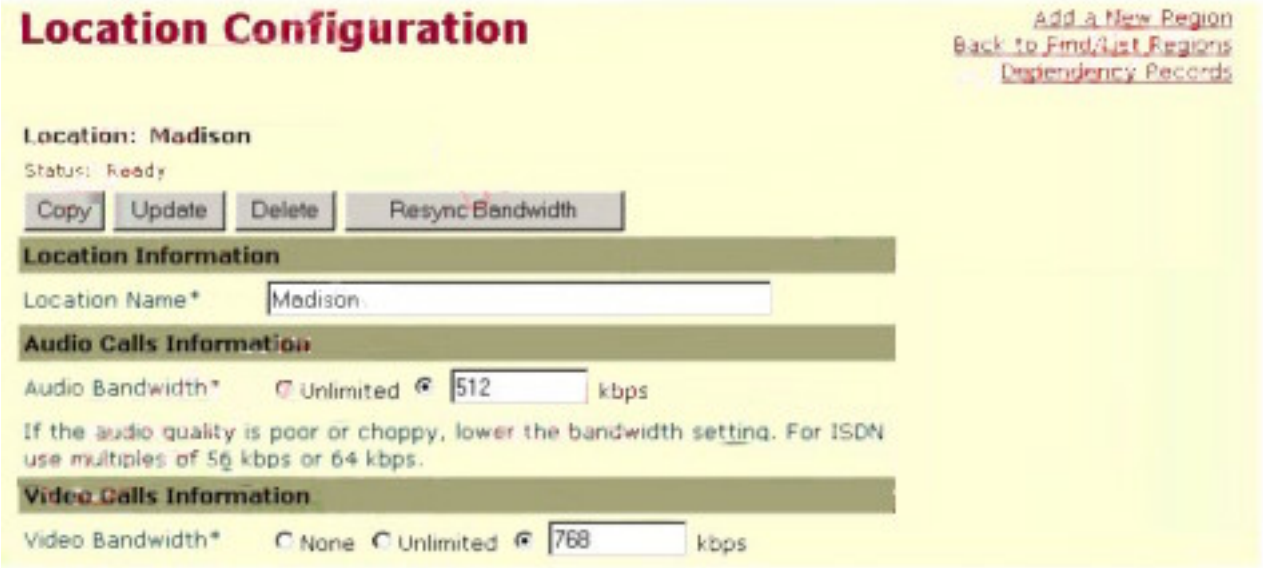


Cisco CallManager Administration
For Cisco IP Telephony Solutions
Translation Pattern Configuration
Add a New Translation Pattern
Back to Find/List Translation Patterns
Translation Pattern: 2XX
Status: Ready
Copy
Update
Delete
Pattern Definition
Translation Pattern
2XX
Partition
P_CallsFromRoomToRoom
Description
RoomCallingRoom
Numbering Plan*
North American Numbering Plan
Route Filter
< None >
Calling Search Space
CSS_Room
MLPP Precedence
Default
Route Option
Route this pattern
Block this pattern
— Not Selected —
Provide Outside Dial Tone
Urgent Priority
Calling Party Transformations
Use Calling Party's External Phone Number Mask
Calling Party Transform Mask
Prefix Digits (Outgoing Calls)
Calling Line ID Presentation
Restricted
Calling Name Presentation
Restricted
Connected Party Transformations
Connected Line ID Presentation
Restricted
Connected Name Presentation
Restricted
Called Party Transformations
Discard Digits
< None >
Called Party Transform Mask
Prefix Digits (Outgoing Calls)
* indicates required item.


Bob
DN = 2000
PT = IT
CSS = IT
Phone A
DN = 5000
PT = Admins
Phone C
DN = 5000
PT = IT
Phone B
DN = 5000
PT = Managers
Phone D
DN = 5000
PT = Lobby


Cisco CallManager 4.0 Administration - Calling Search Space Configuration - Microsoft Internet Explorer
Calling Search Space: IT
Copy
Update
Delete
Reset Devices
Calling Search Space Information
Calling Search Space Name*
IT
Description
Route Partitions for this Calling Search Space
Find Partitions containing
Find
Available Partitions
Selected Partitions*
(ordered by highest priority)
Managers
Admins
Lobby
IT
Done
Local intranet


Region Configuration
Add a New Region
Back to Find/List Regions
Dependency Records
Region: Saint Petersburg
Status: Ready
Update
Delete
Restart Devices
Region Information
Region Name*
Saint Petersburg
Call Information
The maximum audio codec/video bandwidth supported within this region and between 2 other regions are:
Region
Audio Codec
Video Call Bandwidth
Australia
G.729
None
kbps
Madison
G.729
None
384
kbps
Saint Petersburg (Within this Region)
G.711
None
384
kbps


Location Configuration
Add a New Region
Back to Find/List Regions
Dependency Records
Location: Madison
Status: Ready
Copy
Update
Delete
Resync Bandwidth
Location Information
Location Name*
Madison
Audio Calls Information
Audio Bandwidth*
Unlimited
512
kbps
If the audio quality is poor or choppy, lower the bandwidth setting. For ISDN use multiples of 56 kbps or 64 kbps.
Video Calls Information
Video Bandwidth*
None
Unlimited
768
kbps

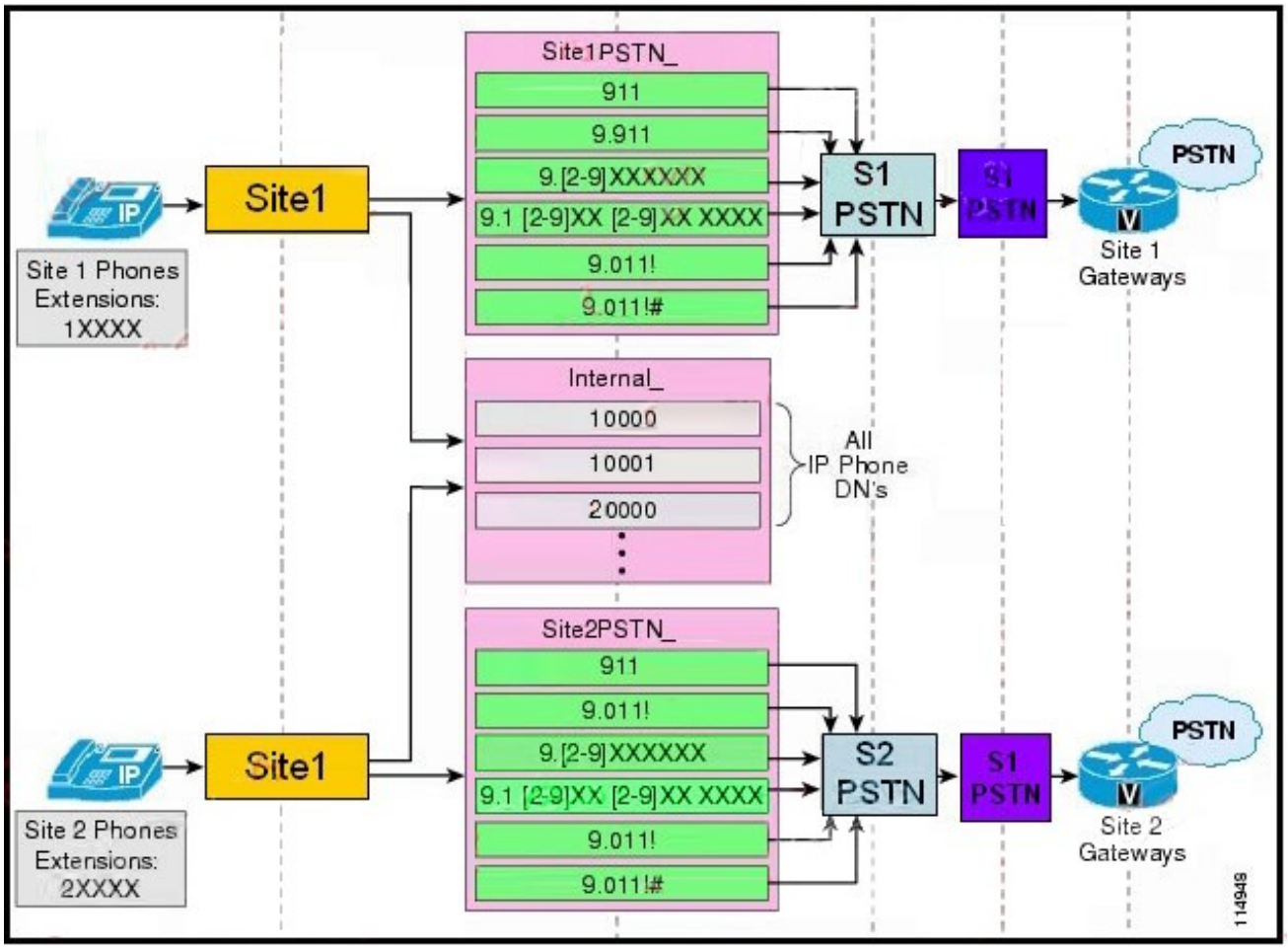
Partition = IP Phones
Partition = Service
    Route Pattern [2-9]11
Partition = Local
    Route Pattern 9.[2-9]XXXXXX
Partition = Long Distance
    Route Pattern 9.1[2-9]XX[2-9]XXXXXX
Partition International
    Route Pattern 9.011!

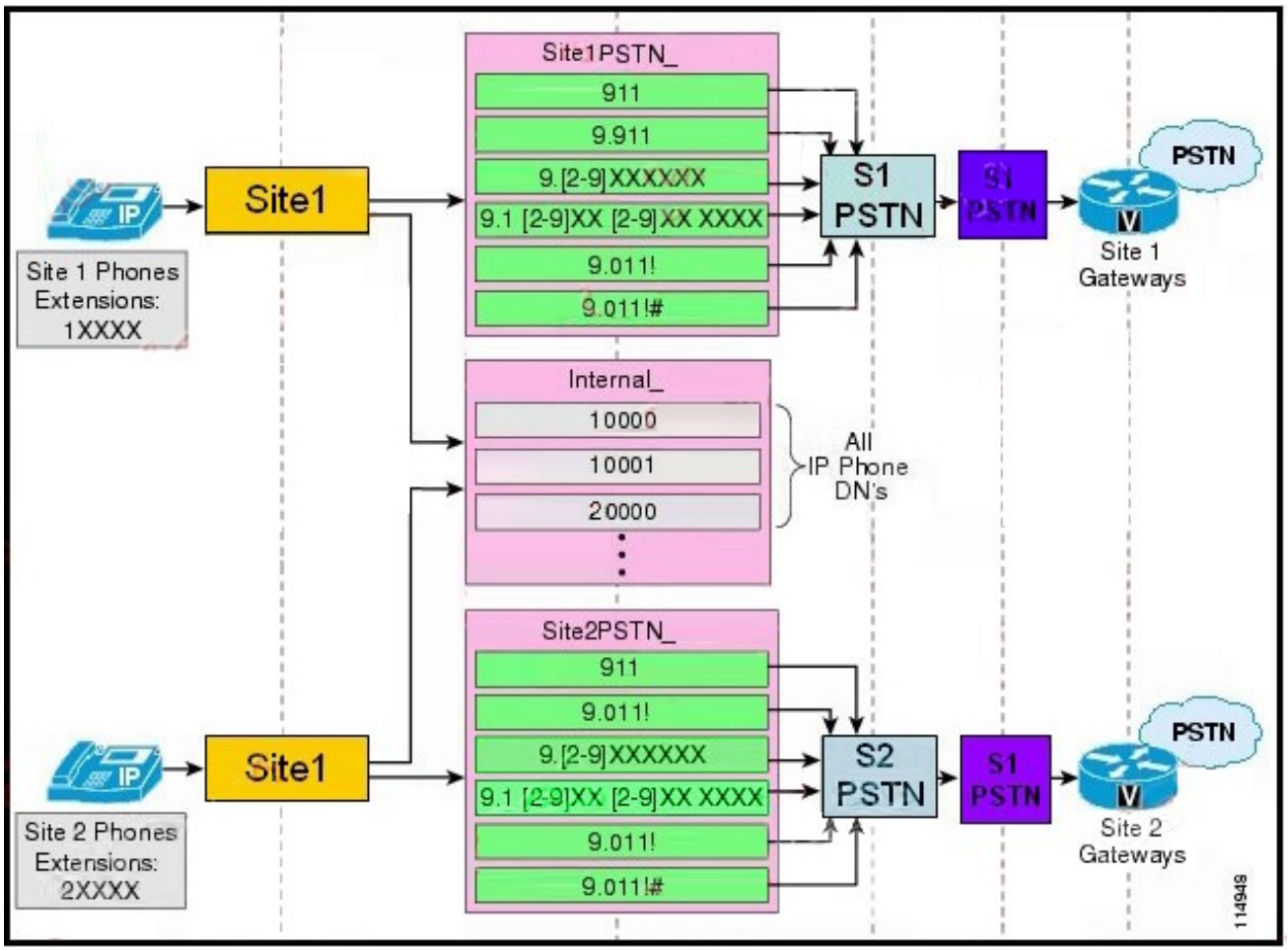
CSS A
  IP Phones
  Service
  Local

CSS B
  Service
  Local

CSS C
  Long Distance

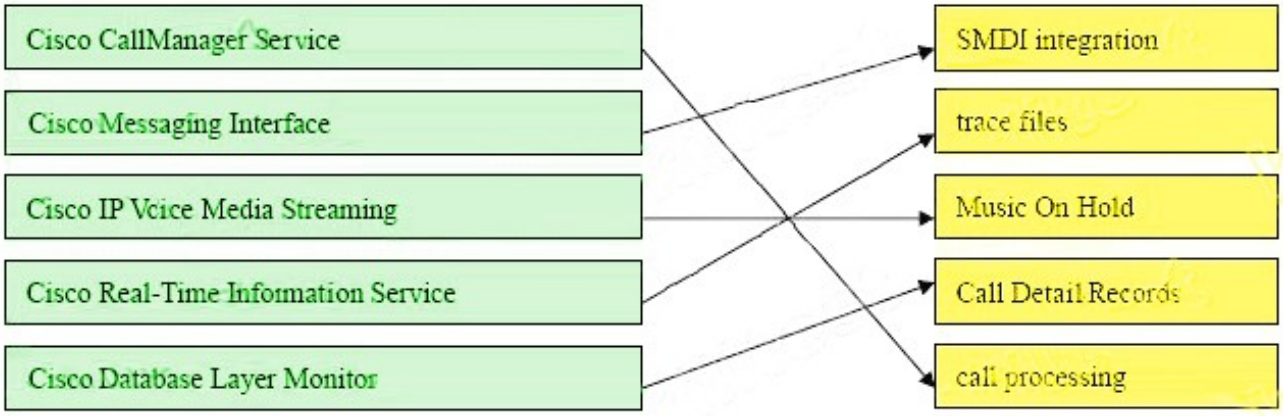
CSS D
  IP Phones
  Service
  Local
  Long Distance

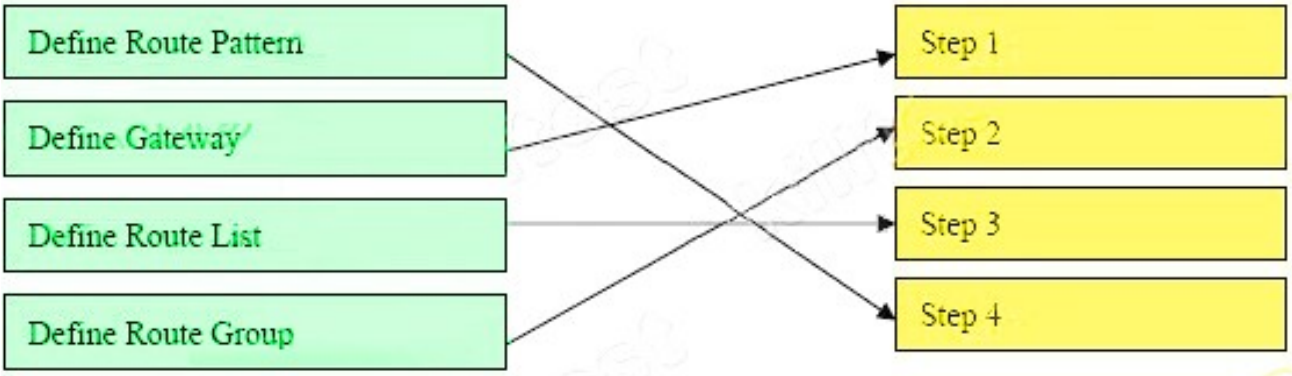


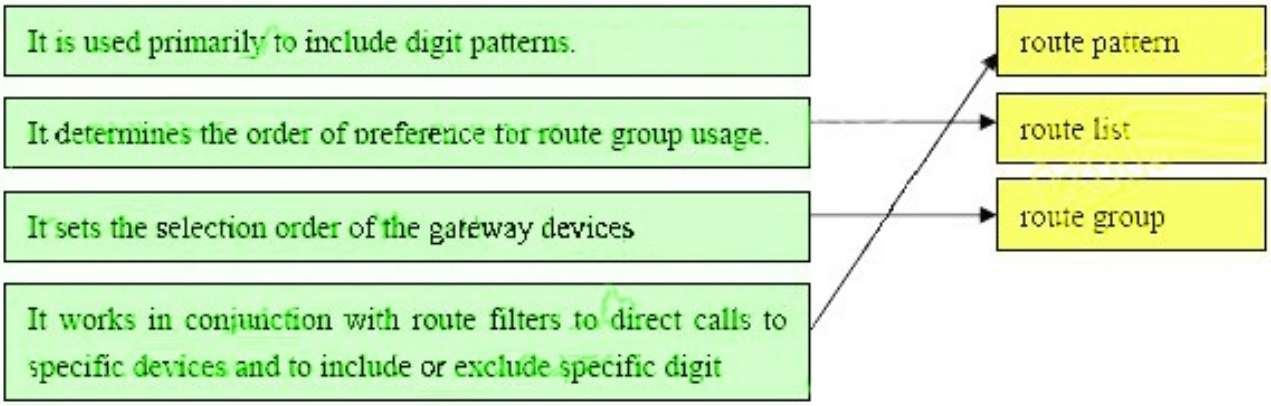


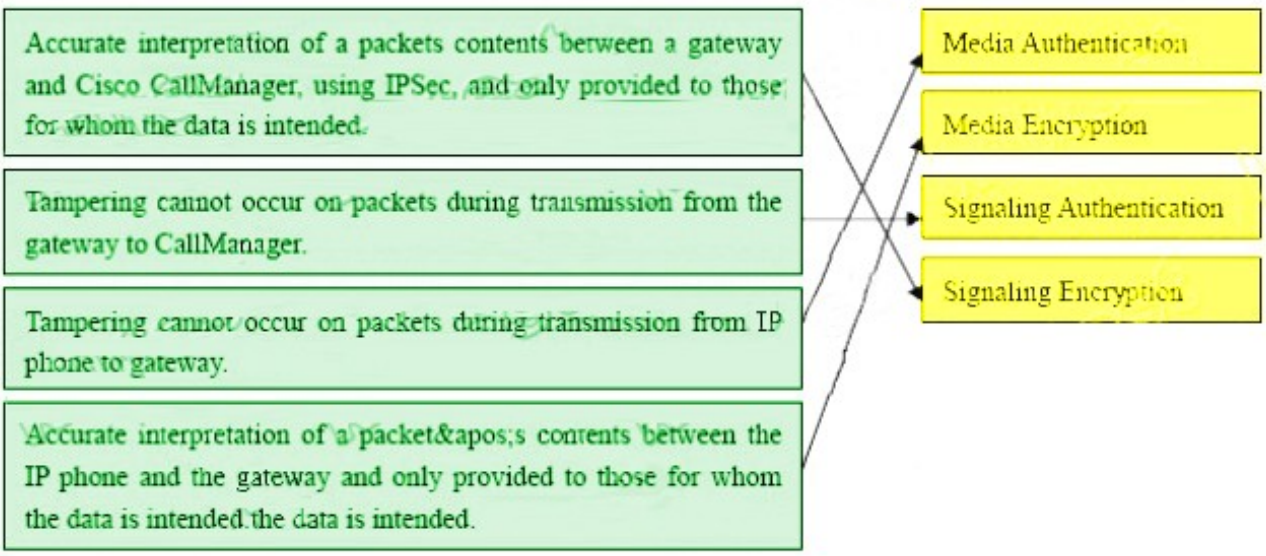
% Failed to find Certificate Server's trustpoint at startup % Failed to find Certificate Server's cert.

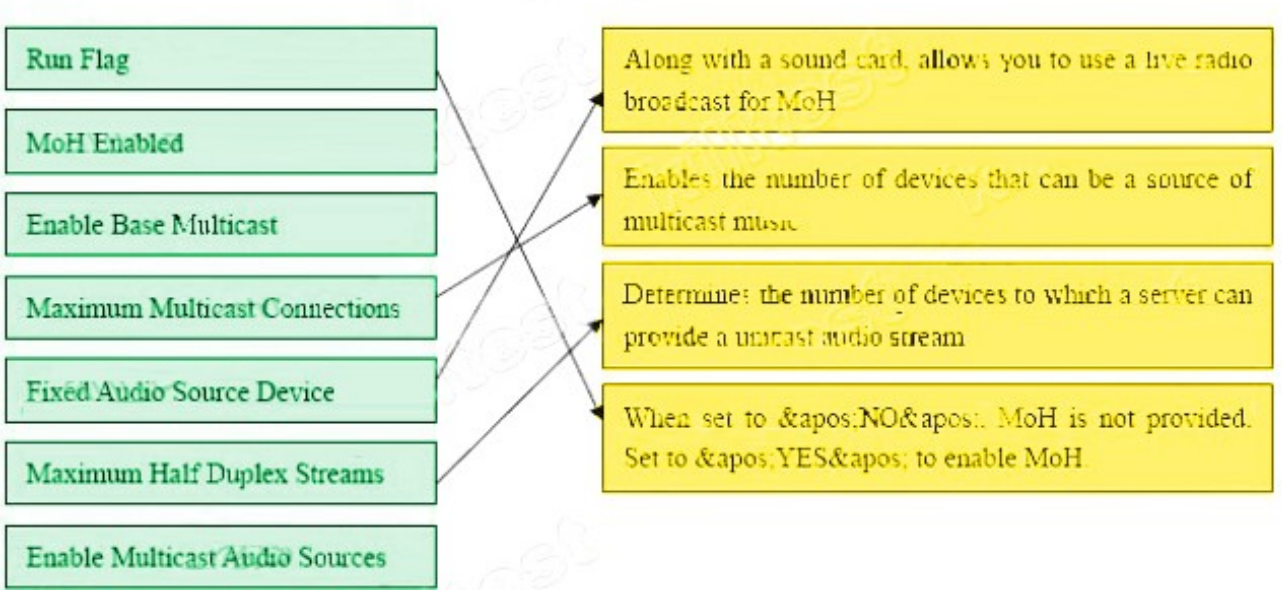
% Failed to find Certificate Server's trustpoint at startup % Failed to find Certificate Server's cert.

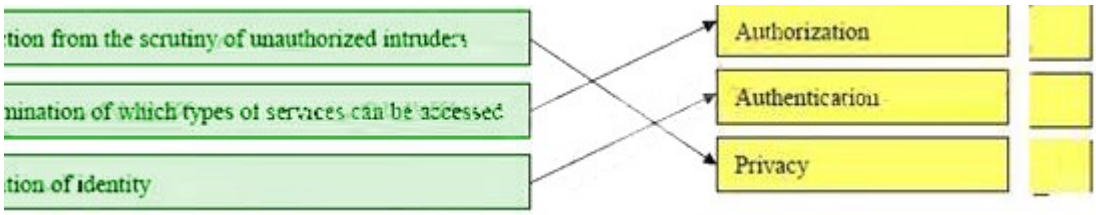

Cisco CallManager Service
Cisco Messaging Interface
Cisco IP Voice Media Streaming
Cisco Real-Time Information Service
Cisco Database Layer Monitor
SMDI integration
trace files
Music On Hold
Call Detail Records
call processing

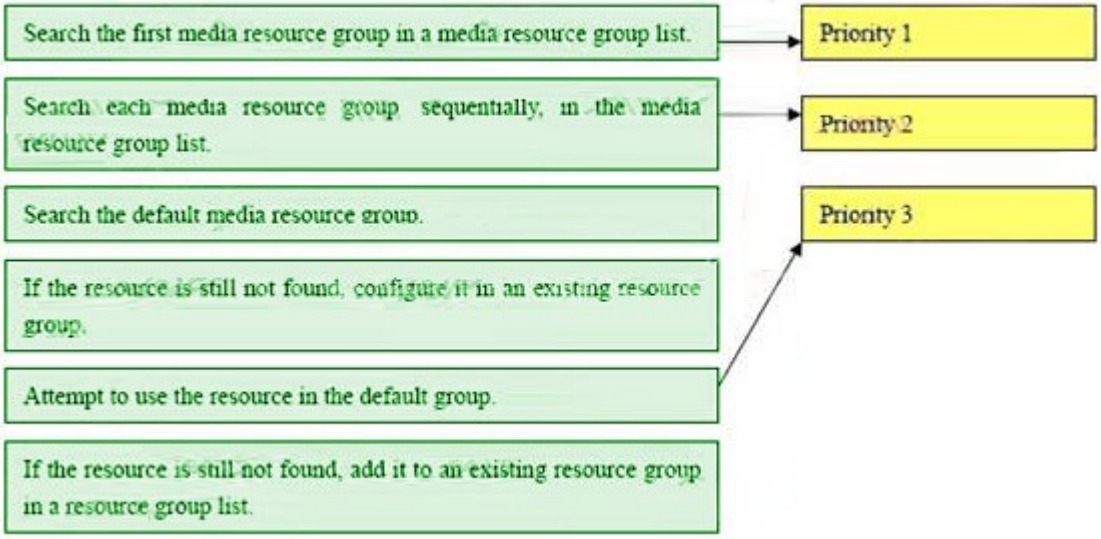

Define Route Pattern
Define Gateway
Define Route List
Define Route Group
Step 1
Step 2
Step 3
Step 4

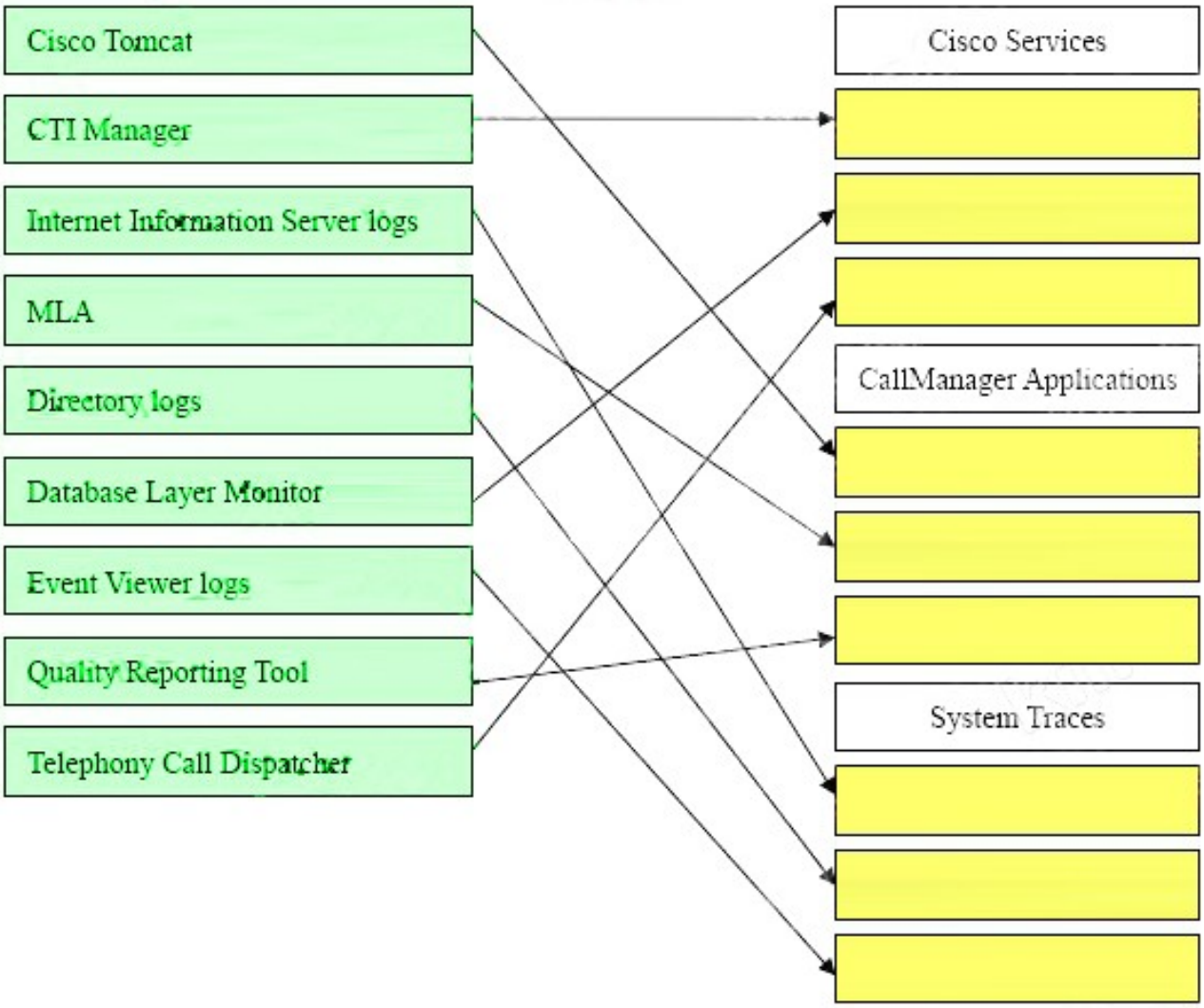

It is used primarily to include digit patterns.
It determines the order of preference for route group usage.
It sets the selection order of the gateway devices
It works in conjunction with route filters to direct calls to specific devices and to include or exclude specific digit
route pattern
route list
route group


Accurate interpretation of a packets contents between a gateway and Cisco CallManager, using IPSec, and only provided to those for whom the data is intended.
Tampering cannot occur on packets during transmission from the gateway to CallManager.
Tampering cannot occur on packets during transmission from IP phone to gateway.
Accurate interpretation of a packet's contents between the IP phone and the gateway and only provided to those for whom the data is intended.the data is intended.
Media Authentication
Media Encryption
Signaling Authentication
Signaling Encryption


Run Flag
MoH Enabled
Enable Base Multicast
Maximum Multicast Connections
Fixed Audio Source Device
Maximum Half Duplex Streams
Enable Multicast Audio Sources
Along with a sound card, allows you to use a live radio broadcast for MoH
Enables the number of devices that can be a source of multicast music
Determines the number of devices to which a server can provide a unicast audio stream
When set to 'NO', MoH is not provided. Set to 'YES' to enable MoH


tion from the scrutiny of unauthorized intruders
nination of which types of services can be accessed
tion of identity
Authorization
Authentication
Privacy





A. H.225 Trunk (Gatekeeper Controlled)
B. Inter-Cluster Trunk (Gatekeeper Controlled)
C. Intra-Cluster Trunk (Gatekeeper Controlled)

D. H.323 Trunk (Gatekeeper Controlled)
E. H.245 Trunk (Gatekeeper Controlled)
Answer:AB

4. Refer to the exhibit. What CSS should be assigned to a phone in the Phones partition to block calls toInternational numbers while allowing all other calls?

```
Partition = Phones

Partition = Service
   Route Pattern X11

Partition = Local
    Route Pattern X11
    Route Pattern 9.@

Partition = LongDistance
   Route Pattern X11
   Route Pattern 9.[2-9]XXXXXX
   Route Pattern 9.1[2-9]XX[2-9]XXXXXX

Partition = International
   Route Pattern 9.011!


CSS A
   Phones
   Service

CSS B
   Service
   Local
   LongDistance

CSS C
   LongDistance

CSS D
   Phones
   LongDistance
```

A. CSS A
B. CSS B
C. CSS C
D. CSS D
Answer:D

5. An IP phone user has dialed "15152412232". Which of the following route patterns will be used?
A. 1515[^0-1]4[123]+
B. 1515[^0-2]4[012]+
C. 1515[^0-1]41[2232]
D. 1515[^0-2]412[012]+
E. will not match any of these patterns
Answer:A

6. Which three of the following can be assigned a partition? (Choose three.)
A. gateway
B. directory number
C. translation pattern
D. route pattern
E. IP phone
Answer:BCD

7. A dial plan uses six-digit numbers where the first two digits are an access code and the last four digits are anextension. Access codes must begin with 7 or 8 and the second digit cannot be 0, 1, 5, or 9. Which two routepatterns will support this dial-plan requirement? (Choose two.)
A. [78][2-4,6-8].XXXX
B. [7-8][^0159].XXXX
C. [^0-6,9][2-4,6-8].XXXX
D. [^0-69][2-4678].XXXX
E. [^78][^234678].XXXX
Answer:BD

8. When a phone needs a conference resource, which of the following Cisco CallManager objects is queried first?A. media resource device list B. media resource poolC. media resource group listD. media resource group Answer:C 9. Which multiple line appearance parameter sets a number of calls per line beyond which all incoming calls are
forwarded?
A. Maximum Number of Calls
B. Call Forward Busy
C. No Answer Ring Duration
D. Busy Trigger
Answer:D

10. Which two of these options can you use to prevent toll fraud? (Choose two.)
A. Call Forward CSS
B. IPSec encryption
C. MLA
D. forced authentication codes
E. Call Transfer CSS
Answer:AD

11. Which two items can a route pattern be assigned? (Choose two.)
A. gatekeepers that do not perform gateway functions
B. route groups that contain one or more route filters
C. gateways
D. route lists that contain one or more route groups
E. route filters
F. route lists that contain one or more route filters

Answer:CD

12. You are working with a customer to deploy a pilot network to test how Cisco CallManager interoperates withSIP. Which two components need to be deployed for Cisco CallManager to interoperate with the SIP portion ofthe network? (Choose two.)
A. Registrar server
B. SIP to H.323 trunk
C. SIP trunk
D. proxy server
E. redirect server
F. location database
Answer:CD

13. A Cisco CallManager cluster contains one publisher and four subscribers. If the publisher is unavailable, which three of these statements are true? (Choose three.)
A. The Microsoft SQL Server 2000 database automatically locks.
B. New Cisco CallManager devices can be configured.
C. The Microsoft SQL Server 2000 will save configuration changes on subscribers to be uploaded to the publisher when available.
D. CDR collection is temporarily suspended on subscribers.
E. All IP telephony devices continue to operate.
F. Available Cisco CallManagers work from the local backup database.
Answer:AEF

14. Which three of these options correctly describe the role of a subscriber in a Cisco CallManager cluster? (Choose three.)
A. replicates database to other Cisco CallManager servers
B. maintains read-only copies of the configuration database
C. processes IP telephony calls
D. collects CDRs
E. can have only one in a Cisco CallManager cluster
F. maintains writeable copy of the configuration database
Answer:BCD

15. Which two of these services should be disabled during post-installation of Cisco CallManager to prevent potential intruders from finding server vulnerabilities? (Choose two.)
A. Distributed File System
B. FTP Publishing Service
C. SSL Security Service
D. Forward Publishing Service
E. SRTP service
F. SRCP service
Answer:AB

16. Which two of these events describe the relationship of an IP Phone to its secondary Cisco CallManager?(Choose two.)
A. IP Phone sends a TCP keepalive message every 30 seconds.
B. IP Phone sends a TCP keepalive message every 60 seconds.
C. IP Phone sends a TCP connect message.
D. IP Phone registers with secondary when primary is unavailable.
E. IP Phone registers with primary when secondary is unavailable.
F. IP Phone registers with all CallManagers initially including secondary.
Answer:CD

17. An auto parts retailer would like their service counter representatives to be able to assist both walk-up customers and telephone customers. Each store has six service counter representatives. Which call distribution algorithm will allow each service counter representative to provide the best customerservice?
A. Top Down
B. Circular
C. Longest Idle Time
D. Broadcast
Answer:D

18. An auto parts retailer would like their service counter representatives to assist both walk-up customers and telephone customers. Each store has six service counter representatives. Walk-up customers frequently engage allthe counter representatives and management is concerned that telephone customer business is being lost. From the list below, choose the appropriate call distribution algorithm and the appropriate call forwardingtreatment which will allow each store to provide the best customer service. (Choose two.)
A. When hunting is exhausted, apply CFB and CFNA to the DN for the warehouse order puller.
B. There is no need to configure CFB or CFNA; when hunting is exhausted, the call will automatically be routedto the warehouse order puller.
C. Top Down
D. Circular
E. Longest Idle TimeF. Broadcast
Answer:AF

19. You are working with a customer to develop the methodology to secure IP Phones at their new research facility.They will be providing IP Phones in their lobby for vendor and guest use. Which two of these IP Phone hardening methods should be applied to these devices? (Choose two.)
A. Enable GARP.
B. Disable PC port on phone.
C. Use signed IP phone firmware.
D. Disable the Directory button.
E. Disable the Services button on the IP phone.
Answer:BC

20. Which three options can you use to assign a softkey template? (Choose three.)

A. Device > Phone Configuration
B. Device > Device Settings > Device Profile
C. Service > Service Parameters
D. System > Device Defaults Configuration
E. System > Device Pool Configuration
F. System > Enterprise Parameters
Answer:ABE