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# **Q&A**

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**Exam** : **642-444**

**Title** : **IP Telephony Exam (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.)

System Route **Plan** Service Feature Device User Application Help

## Cisco CallManager Administration

For Cisco IP Telephony Solutions

### Add a New Trunk

Select the type of Trunk you would like to create:

Trunk type\*

Device Protocol\*

\* indicates required item

- 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 to International numbers while allowing all other calls?

```
Partition = Phones
Partition = Service
  Route Pattern X11
Partition = Local
  Route Pattern X11
  Route Pattern 9.0
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 an extension. Access codes must begin with 7 or 8 and the second digit cannot be 0, 1, 5, or 9. Which two route patterns 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 pool
- C. media resource group list
- D. 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 with SIP. Which two components need to be deployed for Cisco CallManager to interoperate with the SIP portion of the 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 customer service?

- 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 all the 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 forwarding treatment 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 routed to the warehouse order puller.

C. Top Down

D. Circular

E. Longest Idle Time

F. 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**

21. An MRGL is used to control access to which three of these resources? (Choose three.)

A. MoH

B. Cisco IP Phone Services

- C. softkey templates
- D. annunciator
- E. MTP
- F. CTI applications

**Answer: ADE**

22. Which of these options will prevent a device from being able to initiate conferences?

- A. Exclude the conference media resource partitions from the CSS.
- B. Exclude the conference media resources from all MRGs.
- C. Place all conference media resources in MRGs and exclude these MRGs from the MRGL.
- D. Remove the default MRGL from the device pool.

**Answer: C**

23. Which four of these items can be obtained from Call Detail Records? (Choose four.)

- A. quality of service information
- B. call duration
- C. Client Matter Codes
- D. circuit utilization
- E. blocked call attempts
- F. malicious call information

**Answer: ABCF**

24. How is a backup target changed to a backup server?

- A. Modify the BARS service parameter from Target to Server.
- B. Uninstall BARS and reinstall as a backup server.
- C. Use BARS administration to change from Target to Server.
- D. Use BARS administration to delete the destination target.

**Answer: B**

25. A user reports poor quality on voice calls and is instructed to select the QRT softkey. How can you

access the information generated by this call?

- A. use Tools\QRT Viewer under the Cisco CallManager Serviceability page
- B. use the perfmon counter application under Administrative Tools
- C. use the System\Real-time Monitor Tool under Cisco CallManager Administration
- D. use the QRT plug-in on the PC of an administrator

**Answer:** A

26. What will this translation pattern configuration accomplish?

The screenshot shows the 'Translation Pattern Configuration' page in Cisco CallManager Administration. The page title is 'Translation Pattern Configuration' and it includes the Cisco logo and 'For Cisco IP Telephony Solutions'. The main heading is 'Translation Pattern Configuration'. There are two links: 'Add a New Translation Pattern' and 'Back to Find/List Translation Patterns'. The configuration is for a translation pattern '2XX' with status 'Ready'. There are buttons for 'Copy', 'Update', and 'Delete'. The 'Pattern Definition' section includes fields for 'Translation Pattern' (2XX), 'Partition' (P\_CallsFromRoomToRoom), 'Description' (RoomCallingRoom), 'Numbering Plan\*' (North American Numbering Plan), 'Route Filter' (< None >), 'Calling Search Space' (CSS\_Room), and 'MLPP Precedence' (Default). The 'Route Option' section has radio buttons for 'Route this pattern' (selected) and 'Block this pattern' (Not Selected). There are checkboxes for 'Provide Outside Dial Tone' and 'Urgent Priority'. The 'Calling Party Transformations' section has a checkbox for 'Use Calling Party's External Phone Number Mask' (unchecked) and fields for 'Calling Party Transform Mask', 'Prefix Digits (Outgoing Calls)', 'Calling Line ID Presentation' (Restricted), and 'Calling Name Presentation' (Restricted). The 'Connected Party Transformations' section has dropdowns for 'Connected Line ID Presentation' (Restricted) and 'Connected Name Presentation' (Restricted). The 'Called Party Transformations' section has dropdowns for 'Discard Digits' (< None >), 'Called Party Transform Mask', and 'Prefix Digits (Outgoing Calls)'. A note at the bottom states '\* indicates Required item.'

- A. allows the display of the calling number
- B. blocks the display of the calling number
- C. honors the presentation display of the caller
- D. does not change the calling line ID presentation

**Answer: B**

27. Which two of these tools can be used to reestablish a Cisco CallManager cluster SQL subscription?

(Choose two.)

- A. DNA
- B. RTMT
- C. DBLHelper
- D. SQL Server Service Manager
- E. SQL Server Enterprise Manager

**Answer:** CE

28. At Benjamin Church Spyware Co., the Cisco CallManager administrator selects the NANP and then adds the 9.@ route pattern with the filter SERVICE EXISTS.

Which pattern will be added?

- A. 9[2-9]11
- B. 9[2-9]xx xxxx
- C. 9 011 3[0-469] !
- D. 9 1 900 [2-9]xx xxxx
- E. 9[2-9]xx [2-9]xx xxxx

**Answer:** A

29. What are Cisco CallManager Regions used for?

- A. Specify the bandwidth used for audio and video calls.
- B. Define the time zones for devices connected to the Cisco CallManager.
- C. Provide alternate call routing when the primary call path is unavailable.
- D. Implement call admission control in a centralized call processing deployment.
- E. Assign directory numbers to devices as they connect to the IP telephony network.

**Answer:** A

30. Which configuration parameter may need to be adjusted when the Region setting is changed?

- A. Region
- B. Location

C. Device Pool

D. AAR Group

E. Class of Control

**Answer: B**