Cisco

Exam Questions 642-447

Implementing Cisco Unified Communications Manager, Part 1 v8.0 (CIPT1 v8.0)
1. Refer to the Exhibit.

To reach an external number, a user first dials a 9. Which route pattern will be matched if a user dials the toll-free number 18005550123?

A. 911
B. 9.[2-9]XXXXXX
C. 9.1[2-9][2-9]XXXXX
D. 9.1800XXXXXXX
E. 9.1866XXXXXXX
F. 9.11877XXXXXXX
G. 9.1888XXXXXXX
H. 9.1900XXXXXXX
I. 9011!

Answer: D

Explanation:

Explanation: only D included with correct toll free number 1800XXXXXXX

2. DRAG DROP

You work as a network technician at Abc.com. Your boss, Miss ABC, is interested in toll fraud. Match the proper toll fraud type with appropriate solution.

Answer:

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3. Which two of these are characteristics of a Cisco Unified Communications Manager software conference resource? (Choose two.)

A. The number of participants is based on the number of DSP resources available.
B. If Cisco Unified Communications Manager is co-resident on the same server, the maximum number of audio streams per server is 128.
C. It supports any combination of codec types.
D. Any combination of G.711 mu-law, G.711 a-law, or wideband audio streams may be connected.
E. It supports only unicast audio streams.
F. It supports both unicast and multicast audio streams.

Answer: D,E


4. A dial plan uses six-digit numbers, in which the first two digits are a site code and the last four digits are an extension. Access codes must begin with a 7 or 8 and the second digit must be a 0, 1, 5, or 9. Calls within a site are placed using just the four digit extensions. Which two route patterns will support this dial-plan requirement? (Choose two.)

A. \[^78\][^234678].XXXX
B. [7-8][^0159].XXXX
C. [78][0159].XXXX
D. [^0-69][^2-4678].XXXX
E. [^0-6,9][2-4,6-8].XXXX
F. [7-8][234678].XXXX

Answer: C,D

5. Refer to the exhibit. What is the IP address of the backup Cisco Unified Communications Manager system?
ccm-manager fallback-mgcp
ccm-manager mgcp
ccm-manager music-on-hold
ccm-manager config server 10.1.5.2
|
mgcp
mgcp call-agent 10.1.5.3 2427 service-type mgcp version 0.1
mgcp dtmf-relay voip codec all mode out-of-band
mgcp rtp unreachable timeout 1000 action notify
mgcp modem passthrough voip mode nse
mgcp package-capability rtp-package
mgcp package-capability sst-package
no mgcp package-capability fxr-package
mgcp package-capability pre-package
no mgcp timer receive-rtcp
mgcp sdp simple
mgcp rtp payload-type g726r16 static

A. 10.1.5.3
B. 10.1.5.2
C. There is no backup configured; the command ccm-manager redundant-host is required
D. The command ccm-manager fallback-mgcp provides the Cisco Unified Communications Manager backup, which is derived from the Cisco Unified Communications Manager group

Answer: C

Explanation:

GWGK: Implementing MGCP Gateways

6. Refer to the Exhibit.

Which other phone can Phone 5 reach?
A. Phone 2
B. Phone 3
C. Phone 4
D. Phone 5
E. Phone 1

Answer: C
7. A route group is made up of which components?
A. An ordered list of route lists
B. A set of route patterns with the same reach ability
C. A set of gateways and trunks with identical digit-manipulation requirements
D. A set of gateways or trunks with different digit-manipulation requirements
Answer: C
Reference: Cisco Cisco Unified Communications Manager Administration Guide Release 8.6(1). Page-199 Explanation:
A. Route list contains one or more route groups
B. Route pattern place call to PSTN or PBX
D. A route group can work with both gateway and trunk as well.

8. An IP phone user has dialed "15152421234". Which route pattern will be used?
A. 1515[^0-1]4[^123]+   
B. 1515[^0-2]4[01234]   
C. 1515[^0-1]42[^1234]   
D. 1515[^0-1]421[^1-4]+   
Answer: D

9. A user's phone Call Forward No Answer setting has been configured to forward to a hunt pilot. If all call hunting options have been exhausted and the Forward Hunt No Answer feature has been configured to use Personal Preference settings, to which of these will calls to this phone be forwarded?
A. the default destination configured under Service Parameters
B. any destination configured under the user's DN Personal Settings configuration
C. the destination specified under the user's Call Forward No Coverage settings
D. voice mail
E. no other destination; each call will continue to ring until the caller hangs up
Answer: C
Explanation:
you can implement the personal preferences option. To do so, configure a user phone so that the Forward No Answer field redirects the call to a hunt pilot, which searches for someone else to answer the call. If call hunting fails because all the hunting options are exhausted or because a timeout period expires, the call can be sent to a personalized destination for the person who was originally called. For example, if you set the Forward No Coverage field in the Directory Number Configuration page to a voice-mail number, the call will be sent to the voice mailbox of that person if hunting fails.

10. Which statement best describes Urgent Priority operations in relation to call routing in Cisco Unified Communications Manager?
A. An Urgent Priority operation is initiated whenever an IP phone user presses the # key for immediate dialing.
B. An Urgent Priority operation can be configured on a route pattern to force immediate routing when a first match is detected, even if there are longer route patterns that are also potential matches.
C. Urgent Priority operations are automatically performed in translation patterns and emergency route patterns in order to force immediate routing when a first match is detected, even if there are longer route patterns that are also potential matches.
D. Urgent Priority operations cannot be used for VoIP route patterns; they are only applicable to PSTN route patterns.
Answer: B
Explanation:
The Urgent Priority check box is often used to force immediate routing of certain calls as soon as a match is detected, without waiting for the T302 timer to expire when additional longer potential matches exist.

11. Which two of these are required in order for Cisco Unified Communications Manager to support software conferencing? (Choose two.)
A. The Cisco IP Voice Media Streaming Application needs to be activated on the server running the conferencing service in the cluster.

B. The service parameter for the Cisco IP Voice Media Streaming Application needs to have Run Flag set to True.

C. The software conference bridge resource needs to be configured in Cisco Unified Communications Manager.

D. The Cisco IP Voice Media Streaming Application needs to be activated for all servers in the cluster.

E. Under the Cisco IP Voice Media Streaming Application parameters, the conference bridge needs to have Run Flag set to True.

Answer: A,E

12. Refer to the exhibit. Bob has set his phone to forward calls to extension 5000. When a call is placed to extension 2000, which phone will ring?

A. Phone A
B. Phone B
C. Phone C
D. Phone D

Answer: B

13. When Cisco Unified Communications Manager is in a default configuration, why are all calls possible for all calling sources?

A. Because all entities are placed in the <None> partition and in the <Default> CSS.

B. Because all entities are placed in the <Default> partition and the <Default> CSS.

C. Because entities that do not have a CSS assigned can only access calling targets without a partition assigned.

D. Because any calling target can only reach those calling sources that are in the <Default> CSS.

Answer: C

14. Which two can be targets of a route pattern? (Choose two.)

A. gateway
B. gatekeeper
C. route group
D. route list
E. translation pattern
F. CTI Port

Answer: A,D

15. You are the network administrator. What is the correct order to implement call coverage?
A. (I) (II) (III) (V) (IV)  
B. (IV) (I) (II) (III) (V)  
C. (V) (IV) (i) (ii) (Hi)  
D. (IV) (I) (II) (V) (III)  

Answer: B

16. What are characteristics of a partition? (Choose two)
A. assigned to sources of callrouting requests.  
B. any group of numbers with the same reachability.  
C. used to track calls to certain numbers.  
D. used to restrict outgoing calls to certain numbers.  
E. contains calling search spaces.  

Answer: B,D

Explanation:
Link: http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a03ptcss.html  
Reference: Cisco Unified Communications Manager System Guide Release 8.5(1), page-  

Explanation: A partition comprises a logical grouping of directory numbers (DNs) and route patterns with similar reachability characteristics.

17. Which of these best describes the function of transformations?
A. allow the call-routing component to modify the calling or called number  
B. identify and define the tags and operatives used in route filters  
C. configure and revise discard digits  
D. redirect calls  

Answer: A

18. Which three can be assigned a partition? (Choose three.)
A. directory number  
B. IP phone  
C. gateway  
D. route pattern  
E. translation pattern  
F. gatekeeper  

Answer: A,D,E

19. DRAG DROP
You work as a network administrator at Abc.com. Your boss, Miss ABC, is interested in MoH server parameters. You are required to match the parameters with the appropriate descriptions.
20. If a phone has a device CSS that permits access to all internal and external numbers, which line CSS would prevent access to toll free numbers?

A. block local, block international
B. block local, toll free and block international
C. block toll free
D. block local, block long distance, block toll free

Answer: C

Explanation: block local will block every call.

21. Which two of these are characteristics of using Standard Local Route Groups? (Choose two.)

A. reduces call-routing time
B. decouples the selection of a PSTN gateway from a route pattern
C. can be added more than once to a route pattern
D. allows for the dynamic selection of egress gateways based on the device originating the call
E. places more call-routing intelligence at the gateway

Answer: B, D


22. What is the minimum number of partitions that must be defined given the dial-plan rules listed below?

All employees can call local and service numbers.  
Managers can call long-distance and international numbers.  
Executives can call all PSTN numbers including premium numbers.  
Only administrative assistants can call executives.  
Incoming calls can only be routed to phones, not to trunks.

A. 3  
B. 4  
C. 5  
D. 6  
E. 7  
F. 8

Answer: C

23. Refer to the following Exhibits.

Exhibit 1

Exhibit 2
Assume that route pattern for international calls is assigned to the PSTN_Pt partition. After applying the CSSs shown in the exhibit to a phone and placing a call to 00014087071222, which of the following statements is true?

A. The call will be blocked because the line and device CSS will be combined and partitions in the device CSS will take precedence
B. The call will be permitted because the line and device CSS will be combined and partitions in the line CSS will take precedence
C. The call will be blocked because any translation pattern that is blocked will take precedence
D. Only calls from the primary line will be permitted Secondary lines will be blocked.

Answer: B


24. The abc.com Lumber Company would like to use AAR to reroute calls made from HQ to remote locations when those calls are rejected by the IP WAN because of insufficient bandwidth. The abc.com Lumber Company uses 5-digit dialing to all locations. abc.com Headquarters has a DID range from 770-555-0001 to 770-557-0500 and the Macon facility has a DID range from 912-556-0500 to 912-556-0550. How should the external phone masks be configured?

A. 770557XXXX
B. 9125560XXX
C. 770555XXXX
D. 77055XXXXX

Answer: D

25. If no SIP dial rules are configured on an IP phone, at what point in the collection of digits does a Type A SIP phone send digits to the Cisco Unified Communications Manager? (Choose two.)

A. when the interdigit timer expires
B. when the collected digits match a SIP dial rule
C. when the user presses the Dial softkey
D. as each digit is collected (it is sent for analysis)
E. when the user presses the # key
Answer: C,E

26. The CSS on a line includes the partitions 911, internal and local. The CSS on the device includes the partitions 911, internal, local and long distance. Which CSS will be used if the phone user dials a local number?

A. The device CSS will be used since the device CSS is always used first on an IP phone.
B. Since the dialed digits are match to partition in both Calling Search Spaces the call will use both matched partitions in both calling Search Spaces in a round robin format.
C. If there is both a line and device CSS the call will use only the line CSS
D. The line and device CSSs will be combined and the device CSS will take precedence.
E. The line and device CSSs will be combined and the line CSS will take precedence.

Answer: E

Explanation: the Line CSS configured on the directory number associated with the user's device Profile Link:

27. Which two call routing tools can be applied to a device pool? (Choose two.)

A. Called and Calling Party Translation patterns
B. Called and Calling Party Transformation CSS
C. Incoming Called and Calling Party Localization
D. Local Route Group
E. Application of time-of-day call routing

Answer: B,D

Explanation:

Explanation : Called party transformation patterns do not have any effect on phones. The called party transformation pattern CSS of the device pool does not impart any effects on the phones to which it is assigned. Reference : Cisco Unified Communications Manager Features and Services Guide for Cisco Unified Communications Manager Release 8.5(1), page- 212

28. Refer to the exhibit.

<table>
<thead>
<tr>
<th>Conf 1</th>
<th>Conf 2</th>
<th>Conf 3</th>
<th>Conf 4</th>
<th>Conf 5</th>
<th>Conf 6</th>
</tr>
</thead>
</table>
| MRGL_CFB
1. MRG_HW_CFB
2. MRG_SW_CFB |
| MRG_HW_CFB
HW_CFB_1 (3 Conf.)
HW_CFB_2 (1 Conf.) |
| MRG_SW_CFB
SW_CFB_1 (1 Conf.)
SW_CFB_2 (2 Conf.) |
| (Default - no MRG) |
| SW_CFB_3 (1 Conf.) |

You have six IP phones configured to use MRGL_CFB. Each phone is making a conference call. Which conference resource does the sixth conference use?

A. HW_CFB_1
B. HW_CFB_2
C. SW_CFB_1
D. SW_CFB_2
E. SW_CFB_3

Answer: D

29. Which four software based media resources require that the Cisco IP voice media stream Application be activated?
A. MOH
B. SIP
C. H.323 Gateways
D. Annunciator
E. Gatekeeper
F. MTP
G. Audio conferencing

Answer: A, D, F, G

Explanation:
Cisco IP Voice Media Streaming Application dependent media resources
You can start the Cisco IP Voice Media Streaming Application to activate the following media resources:
-- Audio conference bridge
-- MIP
-- Annunciator MOH
The following media resources are available only in hardware:
-- Transcoder
-- Voice termination

30. If a SIP phone has neither KPML nor a set of dial rules configured, how are digits sent to Cisco Unified Communications Manager for further processing?
A. the user must press the # key
B. the user must press the Dial softkey
C. the user must press the enbloc softkey
D. when the user finishes dialing, the digits will be sent automatically

Answer: B
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