



Exam : 642-143

Title : IP Telephony Express Exam (IPTX)

Ver : 10.03.07

QUESTION 1:**DRAG DROP**

To configure the AutoQos VoIP feature on the low-speed serial interface of a router, drag the commands on the left to the appropriate boxes on the right.

bandwidth 512	First two commands (either order) place here place here
mis auto qos voip	
voip	Third command place here
auto qos	
auto qos voip	
ip address 10.10.100.1 255.255.255.0	

Answer:

mis auto qos voip	First two commands (either order) bandwidth 512 ip address 10.10.100.1 255.255.255.0
voip	
auto qos	Third command auto qos voip

Explanation :

- To configure the AutoQoS ? VoIP feature on an interface, use the auto qos voip command in interface configuration mode or Frame Relay DLCI configuration mode. To remove the AutoQoS ? VoIP feature from an interface, use the no form of this command.
- To install the quality-of-service (QoS) class maps and policy maps created by the AutoQoS for the Enterprise feature, use the auto qos command in interface configuration mode. To remove the QoS policies, use the no form of this command.

QUESTION 2:

What is the purpose of a voice codec? (Choose two)

- A. Reduce bandwidth requirements.
- B. Improve signal to noise characteristics.
- C. Improve voice quality.
- D. Approximate an audio wave in digital form.

Answer: A, D

QUESTION 3:

Which two of the following must be configured to allow users to bind transfer calls to both internal and PSTN numbers using H.450.2 supplementary services? (Choose two)

- A. transfer-pattern .T
- B. transfer-system full-bind
- C. supplemental service h.450.2
- D. allow-connections h323 to h323

Answer: A, B

To configure CME to permit transfers to nonlocal destinations, set the transfer-pattern command under telephony-service. Using .T provides full wildcard matching for any number of digits.

To configure CME to use H.450.2 transfers, set transfer-system full-consult under telephony-service command mode. This will turn on H.450.2 and H450.12 services.

QUESTION 4:

Which of the following dial peer configurations will allow International calls to be made outbound from a USA site?

- A. dial-peer voice 1 pots
destination-pattern 9011.
forward-digits all
port 1 0/0:15
- B. dial-peer voice 1 pots
destination-pattern 9011T
prefix 011
port 1 0/0:23
- C. dial-peer voice 1 voip
destination-pattern 9011T
forward-digits all
port 1 0/0:23
- D. dial-peer voice 1 voip
destination-pattern 9011
prefix 011
port 1 0/0:23

Answer: B

The 9011T signifies any and all digits after the 9011

A is incorrect because the "." in the destination pattern only signifies one more digit

C and D are incorrect since they are for VOIP calls.

QUESTION 5:

You have created 5 ephone-dns with tags of 1-5. You wish to assign all 5 ephone-dns to a single button on an IP phone.

Which of the following is a valid configuration?

- A. Ephone 1 overlay
Mac-address 003c.0012.1234
Button 1: 1:2 1:3 1:4 1:5
- B. Ephone 1
Mac-address 003c.0012.1234
Button 1:1,2,3,4,5 overlay
- C. Ephone 1
Mac-address 003c.0012.1234
Button 1o1 1o2 1o3 1o4 1o5
- D. Ephone 1
Mac-address 003c.0012.1234
Button 1o1,2,3,4,5

Answer: D

The "o" character replaces the ":" character for this command. The other answers are not using correct variables.

QUESTION 6:

Which of the following is an 8 kbps codec?

- A. G.711
- B. G.723
- C. G.726
- D. G.729

Answer: D

G.711 = 64 kbps
G.723 = 5.3 / 6.3 kbps
G.726 = 32 kbps
G.729 = 8 kbps

QUESTION 7:

You have configured four dual-line ephone-dns. You wish to set up a hint group for these ephone-dns. Which of the following commands should be used so that an incoming call does not hunt to the second channel of the ephone-dns?

- A. no huntstop
- B. huntstop

- C. no huntstop channel
- D. huntstop channel

Answer: D

The huntstop channel command prevents incoming calls from hunting on busy from the first virtual voice port channel to the second channel. It does not affect hunting between dial peers. It influences channel hunting only within the voice port.

QUESTION 8:

DRAG DROP

You have installed CUE on a router at a remote site. Now you need to configure a new script so that auto attendant (AA) will function as you desire.

What are the steps necessary to prepare a script for use with CUE?

Record prompts used by the script.	1
Upload the script to the PC workstation from Cisco.com so it can be edited	2
Create the script via the CUE AA editor.	3
Install the CUE AA editor on a PC workstation or on a server from Cisco.com.	4
Upload the script to the CUE system so it can begin active call control.	

Answer:

	Install the CUE AA editor on a PC workstation or on a server from Cisco.com.
Upload the script to the PC workstation from Cisco.com so it can be edited	Create the script via the CUE AA editor.
	Record prompts used by the script.
	Upload the script to the CUE system so it can begin active call control.

QUESTION 9:

You have developed a plan to install the NM-CUE hardware and software in a router. Examine the following steps.

What steps are missing from your plan? (Choose two)

Installation plan

Insert NM-CUE in an open NM slot.

Power up the router.

Verify that the CUE module is recognized by the router IOS.

Copy the CUE license files to FLASH memory.

Configure CUE.

- A. Upgrade the router to the correct version of IOS, for the NM-CUE 12.3(4)T or higher.
- B. Power down the router
- C. Type *** at the command prompt to verify the MN-CUE is recognized.

D. Copy the CUE system files to main memory from FLASH prior to using the CUE installer tool.

Answer: A, B

Note: You need to upgrade to correct IOS version and need to power down the router before insert the CUE module in the router.

QUESTION 10:

DRAG DROP

Drag the appropriate ephone-dn type to its stated requirement.

- single-line ephone-dn
- dual-line ephone-dn
- shared ephone-dn
- overlay ephone-dn

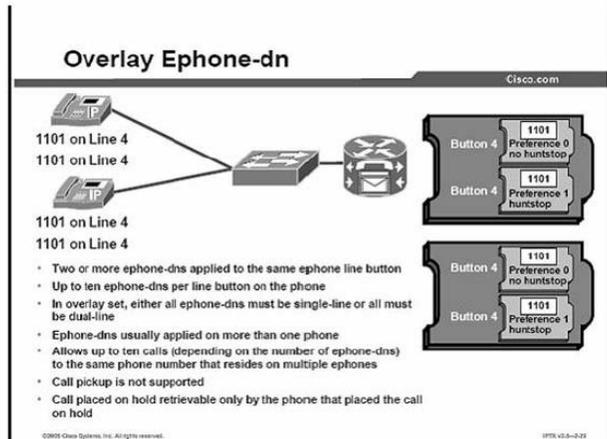
multiple lines with same extension	place here
intercom	place here
single line with multiple extensions	place here
call waiting	place here

Answer:

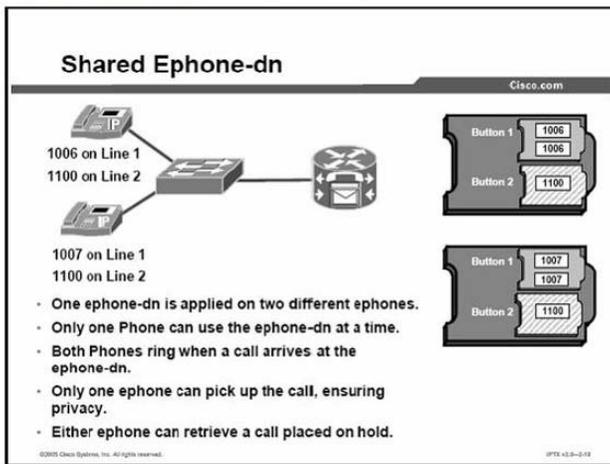
multiple lines with same extension	overlay ephone-dn
intercom	single-line ephone-dn
single line with multiple extensions	shared ephone-dn
call waiting	dual-line ephone-dn

Explanation:

Multiple lines with same extension ----- overlay ephone dn



single line with multiple extensions----- shared ephone dn



QUESTION 11:

Voice users in a new VoIP network have been complaining about the poor quality of voice over the WAN. They claim that conversations seem to incur talker overlap in which talkers and listeners become unsynchronized and often find themselves speaking at the same time or both waiting for the other to speak.

Which two actions could you take that would most likely resolve the problem? (Choose two)

- A. Increase the link speed.
- B. Enable fragmentation on the WAN link.
- C. Enable RTP header compression on the WAN link.
- D. Increase priority queue size.
- E. Increase de-jitter buffer size.

Answer: B, C

Voice packets may be getting stuck behind large data packets, fragmentation will reduce the overall size of data packets so voice packets don't wait so long to be transmitted.

RTP header compression will reduce the total bandwidth needed for each voice call

QUESTION 12:

All of your incoming calls are answered by the receptionist. You want the receptionist to be able to park the calls at extension 102 and make an announcement so an employee in the appropriate department can pick up the call. If no one picks up within 20 seconds, you want to notify the receptionist that a call is parked. You also want to notify the office manager at extension 2000.

Which of the following configurations will accomplish this?

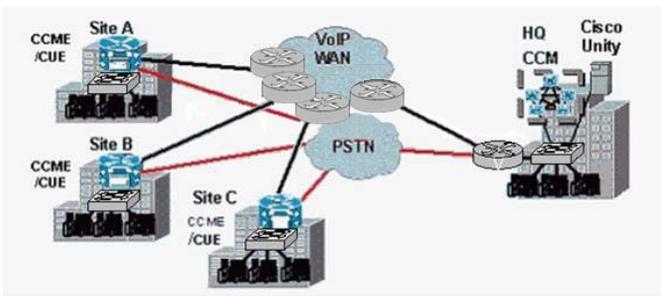
- A. ephone-dn 20
number 102
park-slot timeout 20 notify 2000 only
- B. ephone-dn 20
park-slot 102 timeout 20 notify 2000 only
- C. ephone-dn 20
number 102
park-slot notify 2000
timeout 20
- D. ephone-dn 20
number 102
park-slot timeout 20 notify 2000

Answer: D

The "number 102" creates a single park-slot instance with number 102. The "park-slot timeout 20 notify 2000" sets the reminder interval to 20 seconds with no maximum number of reminders. Extension 2000 will be notified as well as the park originator.

Answer A was close but since it includes the keyword "only" in the park-slot command it is incorrect. The presence of "only" would mean that the reminder is only sent to extension 2000 and not to the receptionist as well.

QUESTION 13:



In the network shown in the exhibit, VoIP is used over the intranet WAN to facilitate all voice communications between all sites. Calls out of the intranet are made direct via the PSTN at each site. Choose the two appropriate network devices upon which AutoQoS should be implemented to facilitate proper voice quality for inter-site calls. (Choose two)

- A. remote site routers
- B. remote site switches

- C. remote site IP phones
- D. HQ Call Managers
- E. HQ IP phones
- F. SP edge routers

Answer: A, B

QUESTION 14:

What does the switch provide to the Cisco IP phone via Cisco Discovery Protocol when the IP phone power up?

- A. voice VLAN ID (VID)
- B. native VLAN ID (NVID)
- C. priority VLAN (PVAN)
- D. IP address

Answer: A

IP Phones have a bootup sequence. The very first step in the sequence is to send a CDP message to discover the voice virtual LAN information from the switch. The IP Phone then sends a broadcast DHCP request and should receive an IP address, default gateway and TFTP server information. The IP Phone then requests a file from the TFTP server which includes, among other things, the IP address of the CME router. The IP Phone then sends a registration request to the CME router and subsequently receives the phone configuration from this router.

QUESTION 15:

Which four items must be verified if you are unable to use the GUI interface to configure CUE? (Choose four)

- A. The IP address of the router.
- B. The HTTP server configured on the router and pointed to use router flash as the page location.
- C. SIP dial-peers to route calls to CUE.
- D. IP address of the service engine.
- E. NTP server setup.
- F. A static route to CUE.

Answer: A, B, D, F

Explanation:

D not C: Because SIP dial-peers has no effect to connect to CUE using Gui interface. The dial-peers route and NTP have no bearing on this question. Refer to Cisco Unity Express GUI Administrator Guide for Cisco CallManager Express Release 2.1 page 11 for explanation of above.

QUESTION 16:

What is "trusted" when the auto qos voip command is configured with the "trust" parameter?

- A. source address
- B. MAC address of sender
- C. DES keyword
- D. DSCP

Answer: D

QUESTION 17:

How are Cisco CallManager Express files loaded to flash?

- A. Copied from a tftp or ftp server.
- B. Pushed via an html link.
- C. Loaded directly from CD-ROM.
- D. On a modular, plug-in flash card.

Answer: A

QUESTION 18:

You have been asked to configure an FXS port on a voice enabled router. Which commands will be necessary to configure port 1/0/0 to support ground start signaling, ring cadence for Germany, ring frequency of 25hz., calling name James Switch, and a calling number of 408-555-1212?

- A. voice-port 1/0/0
signal ground-start
cptone DE
ring frequency 25
station id name James Smith
station number 4085551212
- B. voice-port 1/0/0
description extension 555-1212, James Smith
signal ground-start
ring cadence DE
ring frequency 25
station id name James Smith
Station number 4085551212
- C. voice-port 1/0/0
description extension 555.1212, James Smith
ring cadence Germany
ring frequency 25
station id name James Smith
station id number 5551212
- D. voice-port 1/0/0

description extension 555-1212, James Smith
signal ground-start
cptone Germany
ring frequency 25
station-id name James Smith
station-number 4085551212

Answer: A

QUESTION 19:

Which of the following are benefits of the auto assign command? (Choose two)

- A. Eliminates the need to configure ephones.
- B. Eliminates the need to configure ephone-dns.
- C. Can restrict auto registration by phone model.
- D. Automatically configures shared lines.

Answer: Pending: C, ?

Explanation: Not B:

the auto assign command automatically assigns ephone-dns to ephones. Although ephones can automatically receive an ephone-dn from a pre-determined list, it does NOT eliminate the need to CREATE the ephone-dn.

Note:

CME 3.1 Admin Guide Page 50

Setting Up Phones in a CME System Partially Automated Setup Using Router CLI

Auto assign command is used to specify a range of ephone-dns to which newly discovered IP phones are automatically assigned

You can restrict a particular type of ephone to a certain range of extensions.

Restrictions

Auto assignment cannot be used to define ephone-dn tags for Cisco IP Phone

Expansion module 7914Auto assignment cannot create shared lines

QUESTION 20:

Which two system parameters are correct in the creation of a personal mailbox? (Choose two)

- A. A personal mailbox can only be a member of one group.
- B. The user must be defined in the local CME.
- C. The user can reside in any network-attached CME.
- D. The user can have multiple personal mailboxes in multiple groups.
- E. There can be only one mailbox per subscriber.

Answer: B, E

Mailboxes are assigned to an IP telephone under the control of the Cisco CME

system that resides on the same router as the Cisco Unity Express module. IP telephones under the control of Cisco CME on another router need their own on-site Cisco Unity Express application.

QUESTION 21:

You have received a trouble ticket for the CUE module at your office. You need to review the logging output and the trace output to determine where the problem lies.

Which two files do you need to look in? (Choose two)

- A. trace.log
- B. klog.log
- C. syslog.log
- D. messages.log
- E. atrace.log

Answer: D, E

The messages.log file contains all the system messages (on the AIM, it contains only Fatal and Error messages). Particularly on the AIM, the messages.log file is sometimes the only log file that contains any historical information.

The atrace.log file is not a plain text file. It must be sent to Cisco Technical Support for diagnosis.

When monitoring, the syslog messages provide a brief problem description, a possible reason for the event and other relevant information about the problem. These messages might be displayed on the console, written to a syslog server or stored in the CUE messages.log file.

The atrace.log file must be copied to a FTP server and then decoded using a utility from the Cisco TAC.

Currently, the utility only runs on a Linux platform.

QUESTION 22:

What are two main purposes of QoS marking? (Choose two)

- A. To sort traffic into different service classes for QoS treatment.
- B. To signal network devices on which QoS mechanism should be employed to meet the requirements of a particular service class.
- C. To set fields in IP packets and identify that packet as belonging to a specific class of service.
- D. To allow edge devices to select the QoS level on an application-by-application basis.

Answer: A, C

QUESTION 23:

You are working with a small organization that would like to provide a different greeting for some of its departments. How many active Auto Attendants are supported by CUE?

- A. 1 default and 3 custom Auto Attendants.
- B. 1 default and 4 custom Auto Attendants.
- C. 0 default and 4 custom Auto Attendants.

D. 1 default and 5 custom Auto Attendants.

Answer: B

Introduction to Cisco Unity Express Voice Mail and Auto Attendant

Feature Overview

The default script cannot be modified. The network module (NM) and the AIM supports up to four customized auto attendants.

QUESTION 24:

Which of the following services are required in a Cisco CallManager Express environment? (Choose two)

- A. DHCP
- B. LDAP
- C. TFTP
- D. HTTP

Answer: A, C

QUESTION 25:

Which traditional telephony component runs from the CO to the home or small office?

- A. trunk
- B. tie-line
- C. local loop
- D. branch exchange

Answer: C

QUESTION 26:

Which four features are associated with the Cisco Unity Express AIM module? (Choose four)

- A. Supports up to 100 personal mailboxes.
- B. Supports up to 4 ports.
- C. Supports up to 8 hours of storage capacity.
- D. Supports up to 15 general delivery mail boxes.
- E. Basic system comes equipped with IPCC Express.
- F. Supports up to 5 active automated attendants per system.

Answer: B, C, D, F

Note: (a) The CUE AIM module is a 4-port module that stores a maximum of 50 voice mailboxes. The 512 MB flash version of the AIM supports 8 hours of voice messages while the 1 GB flash version of the AIM supports 14 hours of voice messages.

(b) The NM is an 8-port module that stores a maximum of 100 voice mailboxes and 100 hours of voice messages.

QUESTION 27:

Which three of the following statements about paging groups are true? (Choose three)

- A. Ephones can only be assigned to one paging group.
- B. Multicast paging groups conserve bandwidth.
- C. Paging groups can only be configured from the CLI.
- D. Two or more paging groups can be joined into a combined group.

Answer: A, B, D

QUESTION 28:

You wish to allow only your executives to call international numbers.
What must be configured to prevent other employees from dialing international numbers?

- A. Configure an incoming COR list on the executive ephone-dns and an outgoing COR list on the international dial peer.
- B. Configure an incoming COR list on the employee ephone-dns and an outgoing COR list on the international dial peer.
- C. Configure an outgoing COR list on the executive ephone-dns and an incoming COR list on the internal dial peer.
- D. Configure an outgoing COR list on the employee ephone-dns and an incoming COR list on the internal dial peer.

Answer: B

QUESTION 29:

```
dial-peer cor custom
name Emergency
name Local
name LD
name Manager

dial-peer cor list Emergency
member Emergency

dial-peer cor list Local
member Local

dial-peer cor list LD
member LD

dial-peer cor list Executive
member Manager

dial-peer cor list Lobby
member Emergency

dial-peer cor list Staff
member Emergency
member Local

dial-peer cor list Manager
member Emergency
member Local
member LD
member Manager

dial-peer voice 100 pots
corlist outgoing Emergency
destination-pattern 911
no digit-strip
direct-inward-dial
port 1/0:23

dial-peer voice 101 pots
corlist outgoing Local
destination-pattern 9[2-9].....
direct-inward-dial
port 1/0:23

dial-peer voice 102 pots
corlist outgoing LD
destination-pattern 91[2-9].[2-9].....
forward-digits 11
direct-inward-dial
port 1/0:23

ephone-dn 10
number 1010
corlist incoming Lobby

ephone-dn 11
number 1011
corlist incoming Staff

ephone-dn 12
number 1012
corlist incoming Manager

ephone-dn 13
number 1013
corlist outgoing Executive
```

You would like to restrict your lobby phone so that it can only call 911 and staff members. Based on the exhibit, what must be done to allow to allow Staff members to call Executives and still prevent Lobby phones from calling Executives? (Choose two)

- A. Add member Manager to COR list Staff.
- B. Add member Manager to COR list Lobby.
- C. Add COR outgoing Executive to ephone-dn 12.
- D. Add COR incoming Manager to ephone-dn 13

Answer: A, C

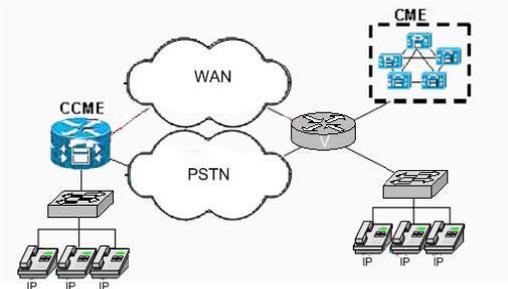
QUESTION 30:

Which of the following are functions of an IP voice gateway? (Choose two)

- A. Translate analog voice to packetized voice.
- B. Provide call admission control.
- C. Provide far-end call control.
- D. Transition call path between different networks.

Answer: A, D

QUESTION 31:



Refer to the VoIP network shown in the exhibit. On which link in the network would the QoS mechanism Compressed Real-Time Transport Protocol (cRTP) most likely be deployed?

- A. Between the branch router and the WAN.
- B. Between the branch switch and the branch router.
- C. Between the branch IP phones and the branch switch.
- D. Between the CallManager and the HQ router.
- E. Between the HQ IP phones and the HQ router.
- F. Between the HQ switch and the HQ router.

Answer: A

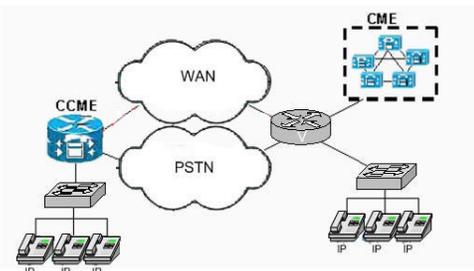
QUESTION 32:

A standard fax machine needs to be supported from the Cisco CallManager. Which signaling will most likely be used?

- A. DTMF
- B. DPNSS
- C. Q.931
- D. QSIG

Answer: A

QUESTION 33:



Refer to the VoIP network shown in the exhibit. On which link in the network would the QoS mechanism link fragmentation and interleaving (LFI) most likely be deployed?

- A. Between the branch router and the WAN.
- B. Between the branch switch and the branch router.

- C. Between the branch IP phones and the branch switch.
- D. Between the CallManager and the HQ router.
- E. Between the HQ IP phones and the HQ router.
- F. Between the HQ switch and the HQ router.

Answer: A

QUESTION 34:

When you are at your desk and you wish to pick up your voice mail, you dial an extension number to reach CUE.

What is this extension number known as?

- A. voice-mail operator number
- B. MWI number
- C. voice-mail pilot point
- D. voice-mail gateway number

Answer: C

QUESTION 35:

Which of the following will cause lost sounds in voice (voice dropout)?

- A. packet loss
- B. lengthy round-trip delay
- C. impedance mismatch
- D. jitter

Answer: A

QUESTION 36:

You are working with an organization that would like to migrate to an IP telephony solution. Currently the organization has three different types of key switches at its four locations. The organization also has an existing voice mail system that it would like to keep during the migration and then later migrate to CUE.

Which integration plan should you use to provide the best solution for this organization?

- A. Use the AMIS-A integration plan and deploy CUE at each location along with the existing voice mail systems.
- B. Use the Analog DTMF integration plan to provide connectivity from the CME to the existing voice mail system.
- C. Use the Skinny integration plan to deploy CUE at headquarters and have all users use a centralized voice mail solution.
- D. Deploy the SMDI integration plan and allow CUE to interoperate with the existing voice mail system during

the system migration.

Answer: B

Explanation :

For dual tone multifrequency (DTMF) integrations, information on how to route incoming or forwarded calls is sent by a telephone system in the form of DTMF digits. The DTMF digits are sent in a pattern that is based on the integration file in the voice-mail system connected to the CME router. These patterns are required for the DTMF integration of Cisco CME with most voice-mail systems. DTMF integration configuration on the Cisco CME router works with any analog voice-mail system. Voice mail systems are designed to respond to DTMF after the system has answered the incoming calls.

QUESTION 37:

You are working with an organization that is planning to deploy Cisco CallManager at its headquarters. The organization also has 15 remote offices around the country. The remote offices have a variety of telephony equipment. The organization would like to deploy a solution that will allow it to deploy IP telephony today at the branch offices and migrate to a centralized CallManager solution in the future. Which solution would you propose?

- A. Deploy SRST and convert it back to CME at each site when the centralized CallManager solution is ready to deploy.
- B. Deploy small CallManager clusters at each location.
- C. Deploy Cisco CallManager Express at each location now and convert the solution to SRST when the centralized CallManager solutions is ready to deploy.
- D. Deploy Cisco routers and connect the existing telephony equipment to each router so that the voice and data networks can be converged.

Answer: C

QUESTION 38:

```
dial-peer cor custom
name Emergency
name Local
name LD
name Manager

dial-peer cor list Emergency
member Emergency

dial-peer cor list Local
member Local

dial-peer cor list LD
member LD

dial-peer cor list Executive
member Manager

dial-peer cor list Lobby
member Emergency

dial-peer cor list Staff
member Emergency
member Local

dial-peer cor list Manager
member Emergency
member Local
member LD
member Manager

dial-peer voice 100 pots
corlist outgoing Emergency
destination-pattern 911
no digit-strip
direct-inward-dial
port 1/0:23

dial-peer voice 101 pots
corlist outgoing Local
destination-pattern 9[2-9].....
direct-inward-dial
port 1/0:23

dial-peer voice 102 pots
corlist outgoing LD
destination-pattern 91[2-9]..[2-9].....
forward-digits 11
direct-inward-dial
port 1/0:23

ephone-dn 10
number 1010
corlist incoming Lobby

ephone-dn 11
number 1011
corlist incoming Staff

ephone-dn 12
number 1012
corlist incoming Manager

ephone-dn 13
number 1013
corlist outgoing Executive
```

Refer to the exhibit.

Which two of the following statements are true? (Choose two)

- A. Extension 1010 will be able to call 911 but will not be able to call other IP phones.
- B. Only extension 1012 will be able to call extension 1013.
- C. Extension 1013 will be able to call all numbers.
- D. Extension 1012 can only be called by Executives or external callers.

Answer: B, C

Explanation: The Class of Restrictions (COR) feature provides the ability to deny certain call attempts based on the incoming and outgoing CORs provisioned on the dial-peers. COR is used to specify which incoming dial-peer can use which outgoing dial-peer to make a call. Each dial-peer can be provisioned with an incoming and an outgoing COR list.

<Rule> If the COR applied on an incoming dial-peer (for incoming calls) is a super set or equal to the COR applied to the outgoing dial-peer (for outgoing calls), the call goes through.

Based on the rule, B and C are correct. In addition, Extension 1010 is able to call 911 and other IP phones such as 1011,1012 but NOT 1013. Extension 1012 can be called by Executives,external callers,as well as Lobby and Staff.

QUESTION 39:

DRAG DROP

You have created a new user named Certkiller. You would like to add this user to the group Sales. What are the steps necessary to perform this task?

Create the groupname Sales.	1
Add the username Ckiller to the group Sales.	2
Configure the ephone-dn for the group Sales.	3
Configure the E.164 phone number associated with Ckiller in the group Sales.	4

Answer:

Configure the ephone-dn for the group Sales.
Create the groupname Sales.
Add the username Ckiller to the group Sales.
Configure the E.164 phone number associated with Ckiller in the group Sales.

QUESTION 40:

When configuring AutoQoS on a Catalyst 2950 or Catalyst 3550 switch, which two actions does the command auto qos voip cisco-phone perform? (Choose two)

- A. Uses the Cisco Discovery Protocol (CDP) to detect the presence or absence of a Cisco IP phone.
- B. Enables the trusted boundary feature if a Cisco IP phone is detected.
- C. Initiates a DHCP request to obtain an IP address for any attached IP phone.
- D. Initiates a TFTP download to download configuration to any attached IP phone.
- E. Sets all voice traffic frames with a COS of 5 and nonvoice traffic frames to a COS 0.

Answer: A, B

Note: The equipment will verify if there are a cisco-phone connected by CDP and if it is connect will trust on all qos values. The cisco-phone will mark itself packets to dscp EF and the PC packets to dscp 0.

QUESTION 41:

What is the procedure with an NM-CUE module to roll back from a 50 user license to a 25 user license?

- A. Use the same procedure as doing an upgrade.
- B. This procedure is not supported.
- C. Require that the individual mailboxes be copied into the system individually from the FTP server.
- D. Require that the extra space on the NM-CUE be used as a swap space to move mailboxes into the new system.

Answer: B

CUE Upgrade Scenarios

Cisco.com

- Upgrade the system software only and keep the same licensed capacity.
 - When upgrading the system software, the license file will survive.
- Upgrade the licensed capacity on the system only and keep the system software the same.
 - Upgrade the license file only and the system software will remain unchanged.
- Upgrade both the licensed capacity and system software of CUE.
 - Load a new license package, then load the new software package.
- Change the installed language.
- The following capacity upgrades are possible:
 - 12 to 25, 50, or 100 mailboxes
 - 25 to 50 or 100 mailboxes
 - 50 to 100 mailboxes
 - 100 user mailboxes capacities are only available on the NM-CUE and NM-CUE-EC.
 - Capacity downgrades are not supported.

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Note: Caution Downgrading of the licensed capacity is not supported and can cause unpredictable results..

QUESTION 42:

What two techniques can be used on slower links in a voice and data network to reduce delay in voice transmission? (Choose two)

- A. FIFO queuing
- B. Buffering voice packets
- C. Fragmentation of large packets
- D. Compression of voice headquarters
- E. Increasing priority queue sizes

Answer: C, D

QUESTION 43:

How are Cisco CallManager Express files obtained?

- A. CD-ROM included in the distribution.
- B. Periodic downloads pushed by Cisco.
- C. Retrieval from www.cisco.com.
- D. Embedded in flash at manufacture.

Answer: C

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QUESTION 44:

Choose the four features associated with Cisco Unity Express (CUE) from the list below (Choose four)

- A. Supports voice mail storage capacity of 8 or 100 hours.
- B. Available in two hardware form factors, AIM or NM.
- C. Basic system comes equipped with IPCC Express.
- D. Can be configured from CLI or GUI.
- E. Supports up to 5 active automated attendants per system.
- F. Supports up to 12 ports.

Answer: A, B, D, E

QUESTION 45:

Which of the following statements accurately describes the function of the Cisco Unity Express Auto Attendant?

- A. Auto Attendant answers calls and directs them to voice mail if the extension entered does not answer the call.
- B. Auto Attendant is designed to provide operator-like functionality for after-hours, weekend, and holiday operations.
- C. Auto Attendant will answer calls and will allow the caller to self direct by entering the extension, entering the name, or dialing 0 for the operator.
- D. Auto Attendant will answer calls, collect digits, and forward calls to the operator for further processing.

Answer: C

Note:

Record and upload messages for callers to hear when they dial the company's telephone number and prompts to guide the callers to specific extensions or employees.

This default script supports basic functions such as dial-by-extension, dial-by-spelling username, and call operator functions.

QUESTION 46:

When a CUE system administrator initiates the backup category configuration command from the CUE CLI, what type of devices can receive the backup files?

- A. By using the correct address scheme, the router FLASH memory can be used as a CUE configuration backup file repository.
- B. The backup configuration files can only be backed up to an FTP server that has the correct CUE backup utility installed.
- C. The CUE backup files can be backed up to any FTP server on the network.
- D. The CUE backup configuration files can be backed up to the router FLASH, but all the data files have to go to an FTP server because of the file size.

Answer: C

QUESTION 47:

You have configured a new user in CUE, but when you use the command show user detail username CBill you see an error in the E.164 phone number. What two steps are required to resolve this issue? (Choose two)

- A. The username CBill needs to be deleted, and then the user needs to be reentered with the correct E.164 phone number.
- B. The username edit command needs to be used to correct the E.164 number.
- C. The mailbox CBill can be edited with the mailbox CBill command.
- D. The no voice mailbox owner username CBill command needs to be executed.

Answer: A, D

Not B: There is no mailbox command username edit

QUESTION 48:

From the following command snip, which command is missing for a first time backup?

```
CUEModule# offline
!!! WARNING !!! Putting the module offline will terminate all active calls
Do you wish to continue[n]? y
cue(offline)# backup category all
cue(offline)# continue
```

- A. The command to identify the FTP server has not been set to where the backup will be written.
- B. The reload command must be issued prior to issuing the continue command.
- C. The online command must be issued to bring CUE back online.
- D. The backup category all command should not be initiated for a backup, only the data command.

Answer: A

Explanation :

backup server url ftp://xx.xx.xx.xx/folder username [] password []
is the command to identify FTP server where the backup will be written

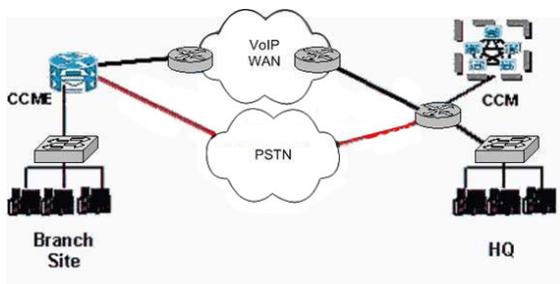
QUESTION 49:

Which of the following are required to send CDRs to a syslog server? (Choose two)

- A. CDR collection must be enabled from the CLI.
- B. The syslog server IP address must be configured using the logging command.
- C. CDRs must be sent to the syslog server using the gw-accounting syslog command.
- D. The logging file must be initialized using the logging buffered command.

Answer: B, C

QUESTION 50:



Refer to the VoIP network shown in the exhibit. On which network device would the QoS mechanism low latency queuing (LLQ) most likely be configured?

- A. The branch router
- B. The branch switch
- C. The branch IP phones
- D. The HQ CallManager
- E. The HQ IP phones
- F. The HQ switch

Answer: A

QUESTION 51:

Which three of the following represent advantages of using two VLANS for connecting Cisco IP phones to a switch? (Choose three)

- A. Improves scalability of the network from an addressing perspective.
- B. Allows the logical separation of data and voice traffic that have different characteristics.
- C. Allows you to connect two devices to the switch using only one physical port and one Ethernet cable.

- D. Enables single IP addressing for both the IP phone and the workstation attached to the IP phone.
- E. Reduces the amount of traffic between the switch and attached devices by concentrating all traffic on the one connection.

Answer: A, B, C

QUESTION 52:

Match the file type to a common use in Cisco CallManager Express by dragging the file type to its common use.

xml	place here	source music for music on hold
au	place here	custom ring
pcm	place here	phone configuration

Answer:

Explanation:

au = source music for MoH

pcm = custom ring

xml = phone configuration

Device Configuration XML File

Cisco.com

IEPAAAABBBBCCCC.cnf.xml*



```

<device>
<devicePool>
<callManagerGroup>
<members>
<member priority="0">
<callManager>
</callManager>
</members>
</callManagerGroup>
</devicePool>
</device>

```

Custom IP Phone Rings

Cisco.com

To create custom rings for IP Phones, follow these steps:

- Step 1 – Create a ring in the form of a raw PCM file.

Custom IP Phone Rings

Cisco.com

To create custom rings for IP Phones, follow these steps:

- Step 1 – Create a ring in the form of a raw PCM file.

QUESTION 53:

DRAG DROP

Q.931	Place here	PRI to a PBX
Wink-Start	Place here	ISDN
QSIG	Place here	E and M

Answer:

Q.931	ISDN
Wink-Start	E and M
QSIG	PRI to a PBX

QUESTION 54:

There are four logging levels in CUE.

What types of messages are logged with the AIM-CUE and what is the maximum size of the file? (Choose two)

- A. The maximum file size is 100 Mb.
- B. All four types of messages are logged.
- C. Only Error and Fatal messages are logged.
- D. Only Fatal messages are logged.
- E. The maximum file size is 10 Mb.
- F. The size of the file is unlimited because all messages are written to an external server.

Answer: C, E

Explanation:

C: The AIM-CUE uses flash instead of a hard drive, and this results in a different logging behavior

than that of the NM-CUE. Using flash can become an issue at this point because of the limited

number of times the data can write to a section of flash before the flash wears out. The consequence

of this is that the AIM-CUE logs only fatal and error messages to the Messages.log file by

default.

Logging

Four Levels of logging messages exist in CUE:

. Info: Syslog levels Debug, Info, and Notice

. Warning: Syslog level Warning

. Error: Syslog level Error

. Fatal: Syslog level Critical, Alert, and Emergency

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System log on AIM-CUE:

. Kept locally on the flash card

(10-MB max size)

. Messages.log

. Recommended to use an external syslog server

5-260 IP Telephony Express (IPTX) v2.0

QUESTION 55:

Which three files constitute the CUE system software? (Choose three)

- A. cue-vm.1.1.1.pkg
- B. cue-installer.1.1.1

- C. cue-vm-25-license.1.1.1.cme.pkg
- D. cue-vm.1.1.1.manifest
- E. cue-vm.1.1.1.prt1

Answer: A, C, E

CUE Software Download:

Files Needed

Files needed on FTP server for installation:

- . System software
- . cue-vm.2.1.1.pkg
- . cue-vm.2.1.1.prt1
- . Installation utilities
- . cue-installer.2.1.1
- . Cisco CallManagerExpress licenses (only which one is used)
- . cue-vm-12-license.2.1.1.cme.pkg
- . cue-vm-25-license.2.1.1.cme.pkg
- . cue-vm-50-license.2.1.1.cme.pkg
- . cue-vm-100-license.2.1.1.cme.pkg

QUESTION 56:

What is the main purpose of QoS classification?

- A. To set fields in IP packets and identify that packet as belonging to a specific class of service.
- B. To signal network devices on which QoS mechanism should be employed to meet the requirements of a particular service class.
- C. To identify traffic as belonging to a specific class of service.
- D. To provide a mapping between link layer and network layer QoS.

Answer: C

Classification is the identifying and splitting of traffic into different classes. Traffic can be classed by various means including the DSCP. Modular QoS CLI allows classification to be implemented separately from policy. The basic purpose of QoS is to identify which class of service traffic belongs to.

QUESTION 57:

What IP telephony device will take a call from the LAN to the WAN?

- A. a gatekeeper
- B. a proxy
- C. a call manager
- D. a gateway

Answer: D

QUESTION 58:

What is the purpose of the NTP service?

- A. Provide security hash keys.
- B. Obtain and announce accurate time.
- C. Confirm proper file contents.
- D. Pass html pages through the firewall.

Answer: B

QUESTION 59:

A Cisco CallManager Express system is being setup to pass calls to the PSTN on standard analog lines. What is the most likely signaling type to be used?

- A. QSIG
- B. E&M
- C. DTMF
- D. Q.931

Answer: C

QUESTION 60:

Which three of the following can be used for a live MOH feed? (Choose three)

- A. E&M analog port
- B. FXS analog port
- C. FXO analog port
- D. H323 based server

Answer: A, C, D

Note: (1)An FXO port can be used for a live feed if the port is supplied with an external third-party adapter to provide a battery feed.

(2)For a live feed from VoIP, VAD must be disabled.

(3)MOH is supplied only to PSTN and VoIP G.711 or G.729 calls.

Local IP phone callers hear a repeating tone on hold for reassurance that they are still connected.

QUESTION 61:

Which of the following are analog signaling types? (Choose two)

- A. QSIG
- B. E&M
- C. DTMF

D. Q.931

Answer: B, C

QUESTION 62:

The auto qos voip command is being used to configure the AutoQoS VoIP feature on an interface with 500 Kbps bandwidth.

Which three of the following QoS technologies will be employed by AutoQoS on the link, provided everything has been properly configured? (Choose three)

- A. Fragment and interleave large packets using multilink PPP (MLPPP).
- B. Re-mark traffic that is marked DSCP EF or AF31 to DSCP 0 if the traffic is not classified as VoIP bearing or signaling (control) traffic.
- C. Compress headers of VoIP bearer traffic using the compressed Real Time Protocol (cRTP).
- D. Mark VoIP bearer traffic with TOS 5 and VoIP signaling (control) traffic as TOS 3.
- E. Put VoIP bearer traffic into the highest priority CBWFQ queue to ensure immediate dispatch.

Answer: B, D, E

Note:

Fragment and interleave will be made but not exclusively by MLPPP

VoIP bearer traffic will be mark with DSCP EF and signaling with AF31.

QUESTION 63:

When the AIM-CUE is being used, where do log messages go if the log file is full?

- A. The initial log file is named message.log.prev, and a new file named message.log is started.
- B. Once the log file is full, the oldest entries are dropped to make space for new entries.
- C. When the log file becomes full, it is automatically copied to an external server and a new message log file is started.
- D. Once the log file becomes full, it stops logging new messages and the new log messages are lost.

Answer: D

The AIM-CUE uses a flat log, and when the log is full, any additional output is lost. This is to ensure that the flash card is not overused.

QUESTION 64:

What is indicated by a flashing envelope icon next to an extension appearance on an IP phone?

- A. message light
- B. voice mail
- C. message waiting
- D. voice mail waiting

Answer: C

Explanation:

The mechanism used to indicate a voice mail has been received is called a Message Waiting Indicator (MWI), not Voicemail Waiting Indicator. The correct answer should be Message Waiting.

QUESTION 65:

Which technology is used to provide both an auxiliary VLAN and a native VLAN capability between a Cisco switch and a Cisco IP phone through a single port?

- A. 802.1q
- B. 802.3
- C. 802.1p
- D. CDP
- E. FDDI

Answer: A

QUESTION 66:

Which types of traditional voice-mail systems are supported by CME? (Choose two)

- A. Meridian Mail
- B. Octel
- C. Active Voice
- D. U-One
- E. Access NP
- F. CO Access

Answer: B, C

Explanation : There are 4 traditional voice-mail systems which are supported by CME.

- Octel
 - Active Voice
 - Stonevoice
 - Converse
-

QUESTION 67:

You have configured the MWI on /off values in CME. You will be using 8000 for MWI on and 8001 for MWI off. Your extensions use four digits. From the following configuration snip, why are the MWI lights not illuminated when there is a message in the mailbox?

CME# show running-config

```
!!  
ephonedn 51  
number 8000  
mwi on  
!  
ephone.dn 52  
number 8001  
mwi off  
!  
end
```

- A. The MWI configuration is correct in CME. MWI extensions must be incorrect in CUE.
- B. The ephone-dn must match the extension numbers for MWI to operate correctly.
- C. The extension numbers are not the right length in the number command. They should be 8000....and 8001.... .
- D. The MWI on/off should be associated with ephone-dns.

Answer: C

QUESTION 68:

Your router has a single dial peer as shown below:

```
dial-peer voice 1 pots  
destination-pattern 9T  
direct-inward-dial  
translate-outgoing calling 1  
port 1/0:23
```

Which two of the following statements are true? (Choose two)

- A. PSTN calls will fail because the 9 access code will be included in the setup message.
- B. Callers will have to wait for 10 seconds after dialing the last digit before call setup proceeds.
- C. Incoming calls from the PSTN will match dial-peer 1 for the inbound call leg.
- D. Caller ID will not be displayed.

Answer: B, C

QUESTION 69:

Which of the following is most likely to cause irregular and unexpected gaps in the voice stream?

- A. compression
- B. lengthy round-trip delay
- C. impedance mismatch
- D. jitter

Answer: D

QUESTION 70:

Where do the CUE GUI files reside when enabled?

- A. FLASH memory on CUE module.
- B. The tftp server.
- C. A stand-alone web server.
- D. Router flash.

Answer: A

QUESTION 71:

You wish to verify that the pilot point number has been configured correctly in your CUE module. Using the show ccn trigger command provides the following output:

```
cue-10-0-0# show ccn trigger
```

```
Name: 6800
```

```
Type: SIP
```

```
Application: voicemail
```

```
Locale: en_US
```

```
Idle Timeout: 480
```

```
Enabled: yes
```

```
Maximum number of sessions: 8
```

```
Name: 6700
```

```
Type: SIP
```

```
Application: autoattendant
```

```
Locale: en_US
```

```
Idle Timeout: 480
```

```
Enabled: yes
```

```
Maximum number of sessions: 8
```

```
cue-10-0-0#
```

What information can you derive from this output? (Choose two.)

- A. The voice-mail pilot point number is 6700.
- B. The number of ports available is 16.
- C. The application will wait eight minutes for a user response before the call is disconnected.
- D. The operator can be reached at extension 6800.
- E. The voice-mail application is enabled.

Answer: C, E

QUESTION 72:

Which configuration method can be very useful for backing up and restoring the configuration as well as batching installations and bulk changes?

- A. CUE Initialization Wizard
- B. CLI as a user
- C. CLI as an administrator
- D. GUI web pages

Answer: C

Cisco boasts about using CLI as the best way to make bulk installs or changes for any devices, not just IP Telephony.

QUESTION 73:

Incoming calls to your store are answered by the front desk. Calls are parked at an extension, and an announcement is made for an employee in the appropriate department to pickup the call. The accounting department has been extremely busy, and you wish to be able to park up to 5 simultaneous calls for this department on extension 102. How can you accomplish this?

- A. Add four additional park-slots under the existing ephone-dn extension 102.
- B. Add four additional ephone-dns and configure each with number 102 and a park-slot.
- C. Add four additional ephone-dns with unique numbers and set call-forward busy to roll to next available park extension.
- D. Add four additional ephone-dns with unique numbers and configure a hunt group to roll to next available park extension.

Answer: B

QUESTION 74:

DRAG DROP

You work as a network technician at Certkiller .com. You wish to look at an offline view of the CUE message log. Drag the step to their correct position.

Steps, select from these

Verify the log file name	Place first step here
Open the file with the GUI.	Place second step here
Copy the file to the FTP server.	Place third step here
Open the file with CUE log viewer application.	
Open the file with a text editor.	

Answer:

Steps, select from these

Verify the log file name(s).
Copy the file to the FTP server.
Open the file with a text editor.
Open the file with CUE log viewer application.

QUESTION 75:

DRAG DROP

You work as a network technician at Certkiller .com. You are required to match the signaling type to the interface on which it used.

Signaling types	Interfaces, place here
Q.93	Place here
WLINK-Start	Place here
QSIG	Place here

Interfaces, select from these

PRI to a PEX
ISDN
E and M

Answer:

Signaling types	Interfaces, place here
Q.93	Place here
WLINK-Start	Place here
QSIG	Place here

Interfaces, select from these

PRI to a PEX
ISDN
E and M

QUESTION 76:

Which three of the following must be done to provide custom phone rings to your users? (Choose three.)

- A. Create the ring as a wav file and copy to flash.
- B. Create a RingList.xml file using a text editor and copy to flash.
- C. Configure the tftp server to serve the ring and RingList.xml file.
- D. Reboot the phones.

Answer: B, C, D

QUESTION 77:

Which of the following is a small office traditional telephony switch?

- A. ACD system
- B. key system

- C. PBX system
- D. gateway system

Answer: B

QUESTION 78:

What is the major cause of delay when voice and data packets are placed in the same output queue?

- A. large data packets
- B. low bandwidth
- C. firewalls
- D. retransmission of lost packets

Answer: A

QUESTION 79:

What two techniques can be used on a slower links in a voice and data network to reduce delay in voice transmission? (Choose two.)

- A. FIFO queuing
- B. buffering voice packets
- C. fragmentation of large packets
- D. compression of voice headers
- E. increasing priority queue sizes

Answer: C, D

QUESTION 80:

DRAG DROP

As a network administrator at Certkiller .com you are required to match the E and M signaling type to the situation in which it would be used.

E and M Signaling types	Situations, place here
Immediate Start	Place here
Wink Start	Place here
Delay start	Place here
Situations, select from these	
need to reduce glare	
very basic equipment at the other end	
first digits are truncated on sending	

Answer:

E and M Signaling types

Situations, place here

Immediate Start

very basic equipment at the other end

Wink Start

need to reduce glare

Delay start

first digits are truncated on sending

Situations, select from these

QUESTION 81:

DRAG DROP

As a network administrator at Certkiller .com you are required to place in order the steps to backup CUE.

Steps, select from these

Set the FTP server to which the backup will be written.

Place first step here

Bring CUE back online.

Place second step here

Ping the TFTP server on the network to ensure connectivity.

Place third step here

Take CUE offline

Place fourth step here

Initiate the backup

Answer:

Steps, select from these

Take CUE offline

Set the FTP server to which the backup will be written.

Ping the TFTP server on the network to ensure connectivity.

Initiate the backup

Bring CUE back online.

QUESTION 82:

You are connecting to the PSTN via FXO port 1/0/0. The number assigned to this line by the phone company is 408555-1999. Which configuration will route all incoming calls to a shared line with an extension of 2000?

- A. Voice-port 1/0/0
Description 408555-1999
Connection plar 4085551999 2000
- B. Voice-port 1/0/0
Description FXO 4085551999
Connection plar 2000
- C. Voice-port 1/0/0
Description FXO 4085551999
Translate incoming-called 4085551999 2000
- D. Voice-port 1/0/0
Description 408555-1999

Connect plar ephone-dn 2000

Answer: B

QUESTION 83:

Which of the following is provided by the Cisco CallManager Express? (Choose all that apply.)

- A. A head-end Enterprises PBX voice solution in IOS.
- B. An enterprise class traditional PBX system.
- C. Integrated Call Processing in IOS providing Key System and Hybrid Feature Set functionality for < 120 station market.
- D. A cost effective IP telephony solution for a small business supported across all Cisco (two)
- E. All of the above.

Answer: C, D

QUESTION 84:

What are the major differences between key systems and PBXs? (Choose all that apply.)

- A. Key systems are also security devices.
- B. Key systems can only support analog phones not digital phones.
- C. Key systems make use of paging functionality via phone sets.
- D. Incoming trunks will be shown across all phones.

Answer: C, D

QUESTION 85:

The new Certkiller trainee technician want to know what convergence is. What will you reply be?

- A. It is the addition of security features to the network
- B. It is the merging of both voice and data onto a common network
- C. It is the optimization of network infrastructure to share IP stack to enhance performance of networked applications
- D. It is the merger of hardware and software to deliver networked functionality

Answer: B

QUESTION 86:

What could be the reason why a client would prefer a key system to a PBX? (Choose all that apply.)

- A. Key systems are typically cheaper than PBX systems.
- B. Key systems can be customized solutions for stand-alone, small offices.

- C. Some small business processes are supported by unique Key systems features.
- D. Key systems support amongst others networked communication, call forward and transfer to other locations as well.
- E. All of the above.

Answer: A, B, C

QUESTION 87:

What is the maximum number of users that Cisco CME is designed for?

- A. 30
- B. 48
- C. 96
- D. 120

Answer: D

QUESTION 88:

The new Certkiller trainee technician want to know how a user can access the following speed dial entry.

Ephone 1

Fastdial1 1000 name marketing.

What will you reply be?

- A. Personal Directory Application.
- B. CCMuser web page. \
- C. Softkey on 7940 or 7960.
- D. Directory button on 7940 or 7960.

Answer: D

QUESTION 89:

Which Cisco CME components can be migrated to a SRST? (Choose all that apply.)

- A. Seat License
- B. All components
- C. Trunk License
- D. Feature License
- E. None of the above.

Answer: A, D

QUESTION 90:

In which way does Cisco CME differ from Cisco CallManager? (Choose all that apply.)

- A. Cisco CME is a feature that runs on IOS.
- B. CLI commands are used to configure Cisco CME.
- C. Cisco CME is a service running on a network module.
- D. Cisco CME phones cannot be migrated to a CCM system.

Answer: A, B

QUESTION 91:

Which of the following small business needs are addressed by Cisco CME in addition to Cisco's Modular Access Routing platforms? (Choose all that apply.)

- A. content networking requirements
- B. hosted third-party applications
- C. security needs
- D. 48-port Fast Ethernet switching

Answer: A, C

QUESTION 92:

Which of the following represents deployment models that are supported by Cisco CME 3.0 and below? (Choose all that apply.)

- A. SOHO with five softphones
- B. Managed service with local call processing for a site with twelve, 7905s
- C. Standalone branch office with twenty-four, 7910s
- D. Centralized call processing for ten remote offices with two, 7960s each
- E. All of the above.

Answer: B, C

QUESTION 93:

Which of the following solutions are supported with Cisco CME3.0 and below? (Choose all that apply)

- A. SOHO with ten IP phones and a fax machine
- B. deployment of all Cisco CME features to analog phones
- C. remote site redundancy for centralized CallManager
- D. SOHO with ten softphones
- E. remotely managed CPE for service provider customer

Answer: A, E

QUESTION 94:

Which of the following are key benefits of Cisco CME for customers? (Choose all that apply)

- A. Cisco CME can cluster with CCM to provide redundancy.
- B. Cisco CME can be used to provide call processing for digital phone sets.
- C. Cisco CME hardware such as voice modules can be migrated to a CCM deployment.
- D. Cisco CME can be enabled on an existing Multiservice Access Router with a IOS upgrade.

Answer: C, D

QUESTION 95:

Which of the following voice-mail solutions are supported by Cisco CME? (choose all that apply)

- A. SMDI based
- B. H.323 based
- C. Analog DTMF
- D. SMDI integration using VG248.
- E. Skinny Cisco Unity

Answer: B, C, E

QUESTION 96:

Which of the following TDM trunks are supported by Cisco CME? (Choose all that apply)

- A. T1
- B. E1
- C. FXS
- D. SIP
- E. FXO
- F. PRI

Answer: A, B, F

QUESTION 97:

Which of the following are created by Cisco CME for IP phones within IOS?

- A. Virtual SIP port
- B. Virtual FXS port
- C. Virtual FXO port
- D. Virtual MGCP port
- E. Virtual PRI port
- F. Virtual E1 port

Answer: B

QUESTION 98:

Which of the following IOS voice components are created automatically by Cisco CME when installing a IP phone? (Choose all that apply)

- A. dial-peer
- B. ISDN dial peer.
- C. voice port
- D. connection plar
- E. ISDN switch type

Answer: A, C

QUESTION 99:

Which of the following Cisco CallManager components are leveraged by Cisco CME?

- A. IIS
- B. none
- C. Novell Directory Services
- D. SQL server
- E. Active Directory
- F. DC directory

Answer: B

QUESTION 100:

Which of the following dial-peer are automatically created by Cisco CME for IP phones?

- A. VoIP
- B. VoFR
- C. POTS
- D. SIP
- E. FXS
- F. VoATM

Answer: C

QUESTION 101:

Which of the following legacy voice components are similar to an ephone-dn?

- A. logical phone
- B. physical phone
- C. digital trunk to PBX
- D. analog trunk to PSTN
- E. extension number on a phone

Answer: E

QUESTION 102:

Which of the following legacy voice components are similar to an ephone?

- A. logical phone
- B. physical phone
- C. digital trunk to PBX
- D. analog trunk to PSTN
- E. extension number on a phone

Answer: B

QUESTION 103:

Which pieces of equipment can double as an ephone? (Choose all that apply.)

- A. Cisco IP phone
- B. analog FXO trunk
- C. ATA
- D. fax machine on an FXS port

Answer: A, C

QUESTION 104:

You are the Network technician at Certkiller . You have been instructed to configure the MAC address of an IP phone. Which Cisco CME component would you use to achieve this task?

- A. ephone
- B. ephone-dn
- C. ephone-macaddr
- D. ephone-phone
- E. none of the above

Answer: A

QUESTION 105:

You are the Network technician at Certkiller . You have been instructed to configure the extension number of an IP phone. Which Cisco CME component would you use to accomplish this task?

- A. ephone
- B. ephone-dn
- C. ephone-macaddr
- D. ephone-phone
- E. none of the above

Answer: B

QUESTION 106:

You are the Network technician at Certkiller . You have been instructed to match buttons on a Cisco IP phone to a specific extension number. Which Cisco CME component would you use to accomplish this task?

- A. ephone
- B. ephone-dn
- C. ephone-match
- D. ephone-button
- E. ephone-macaddr

Answer: A

QUESTION 107:

The maximum number of Cisco CME supported extensions are dependent on the maximum number of that are supported.

- A. ephones
- B. buttons
- C. ephone-dns
- D. conference calls
- E. off-net calls

Answer: C

QUESTION 108:

What does one make provision for when configuring a secondary number for an ephone-dn?

- A. For a second line appearance with a unique directory number
- B. For an alias phone number used to reach the primary directory number
- C. For a second line appearance with a shared directory number

- D. For an external phone number mask used when making off-net calls
- E. For an extra phone number to reach the primary directory number

Answer: B

QUESTION 109:

Which of the following ephone-dns are only supported on Cisco CME 3.0 and higher versions? (Choose all that apply.)

- A. dual-line
- B. overlay
- C. shared line
- D. dual-number
- E. all of the above

Answer: A, B

QUESTION 110:

Which of the following statements regarding a shared ephone-dn is valid? (Choose all that apply.)

- A. All ephones sharing the ephone-dn will ring for an incoming call.
- B. Multiple ephones can simultaneously listen to a call on the ephone-dn.
- C. The ephone-dn is inaccessible from other IP phones when there is an active call.
- D. The ephone-dn is exclusively shared among the same ephone type.

Answer: A, C

QUESTION 111:

The new Certkiller trainee technician want to know which type of ephone-dn will allow two voice channels on a single line button. What will you reply be?

- A. overlay
- B. dual-line
- C. shared line
- D. dual-number
- E. none of the above

Answer: B

QUESTION 112:

Which of the following statements regarding overlay ephone-dn are valid? (Choose all that apply.)

- A. It is supported on Cisco CME 3.0 and higher.
- B. It is shareable across multiple ephones.
- C. It is usually assigned to a single line button.
- D. It supports mixing single and dual-line ephone-dns.
- E. All of the above.

Answer: A, B, C

QUESTION 113:

Which of the following calls will RTP headers be preserved for when voice packets are re-packetized by Cisco CME3.0?

- A. SIP
- B. VoIP
- C. VoID
- D. VoFR
- E. VoATM

Answer: B

QUESTION 114:

Which of the following statements are true regarding calls between local IP phones? (Choose all that apply)

- A. Voice packets are addressed directly to the Cisco IOS router.
- B. Calls between IP phones are assigned a random UDP/RTP port.
- C. There is no CPU load per call except during call setup and teardown.
- D. Voice packets are routed to the Cisco IOS router.
- E. Calls between the IP phone and router voice port are handled the same as calls from one voice port to another voice port within the router.

Answer: B, C, E

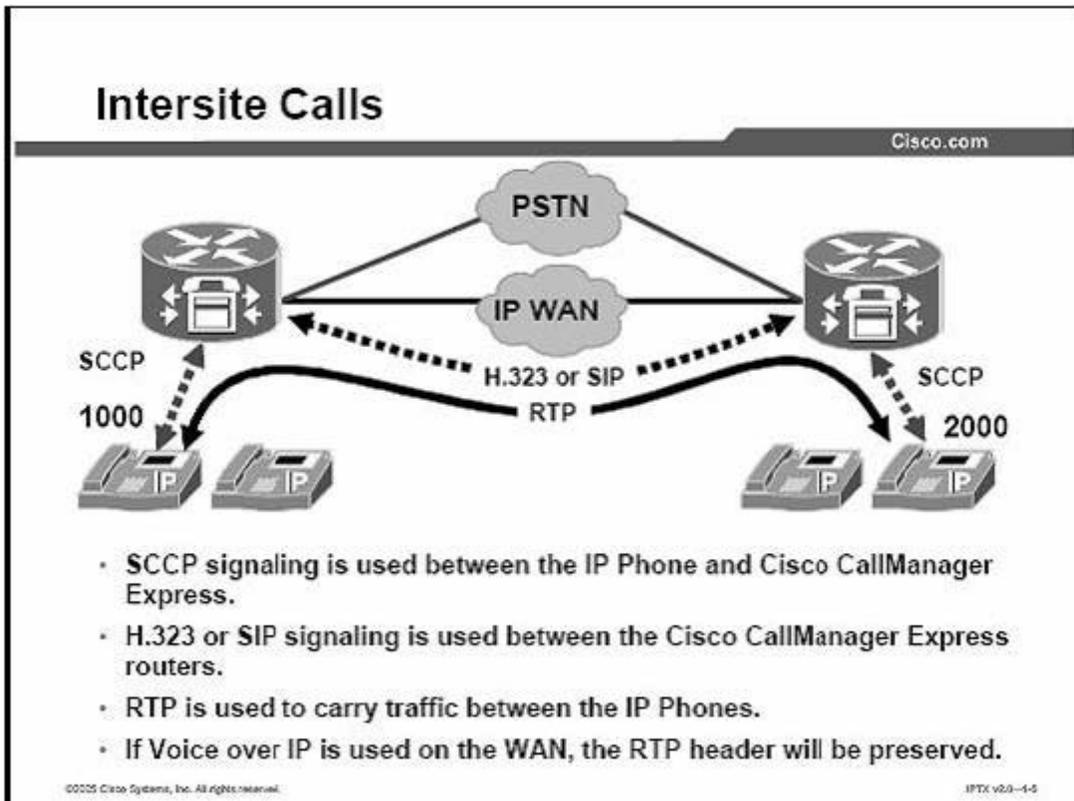
QUESTION 115:

Which of the following statements are true regarding calls to VoIP destinations across the WAN? (Choose all that apply)

- A. All IP phone addresses must be routed across WAN.
- B. Voice packets are addressed directly to the Cisco IOS router.
- C. Calls between IP phones are assigned a random UDP/RTP port.
- D. Signaling from local IP phones to an Cisco CME router use UDP/RTP port 2000.
- E. Calls between the IP phone and router voice port are handled the same as calls from one voice port to another voice port within the router.

Answer: A, B, C

Not D: Wrong.sccp is used for signalling.and udp/tcp ports used.



QUESTION 116:

Which of the following ports are used by Cisco CME for VoIP calls? (Choose all that apply)

- A. SIP port 2000
- B. RTP port 2000
- C. MGCP port 2000
- D. UDP port 16384-49152
- E. VoATM port 2000

Answer: B, D

QUESTION 117:

Which of the following DTMF relay types are supported by Cisco CME 3.0 and below?

- A. none
- B. RFC2833
- C. Cisco RTP

D. H.245 alphanumeric

Answer: D

QUESTION 118:

Which of the following QoS mechanisms does Cisco CME use for voice packets from locally connected IP phones? (Choose all that apply)

- A. CAC
- B. TOS
- C. COS
- D. QOS
- E. RSVP

Answer: B, C

QUESTION 119:

You are a network engineer for a company Certkiller .com. Your newly appointed Certkiller trainee wants to know from where an IP phone obtains the IP source address that it will use to register to Cisco CME. What will your reply be?

- A. the firm ware file that it has downloaded
- B. the TFTP server, using the DHCP option 150 command
- C. the DHCP server, using the DHCP option 150 command
- D. the XML configuration file hat the IP phone has downloaded
- E. the DNS server, using the DHCP option 150 command

Answer: D

QUESTION 120:

When using Cisco CME 3.0 and above, where are the XML configuration files stored?

- A. Flash.
- B. ROM.
- C. Slo10
- D. DRAM.
- E. NVRAM

Answer: A

QUESTION 121:

When using Cisco CME 3.0 and above, where are the phone firmware files stored?

- A. Flash.
- B. Dram.
- C. Foot ROM
- D. External TFTP Server.
- E. NVRAM

Answer: A

QUESTION 122:

Which of the following Cisco CME commands are used to share the XML configuration files using TFTP?

- A. Create cnf.files.
- B. Create xml.files.
- C. Create xml-files.
- D. Create tftp-share.
- E. Create tftp-bindings.

Answer: A

QUESTION 123:

Which LOS voice port function is used to allow incoming analog FXO port calls to be routed to an IP phone?

- A. Destination-pattern.
- B. Call-forward all.
- C. Direct-inward-dial.
- D. Connection plar opx.

Answer: D

QUESTION 124:

Which of the commands illustrated below will allow an incoming call from a PRI line with called number 4085551111 to ring an IP phone with extension number 5111?

- A. Dialplan-pattern 1408555..... extension 51....
- B. Dialplan-pattern 1408555..... extension 5....
- C. Dialplan-pattern 1408555..... extension length 4.
- D. Dialplan-pattern 1408555..... extension length 5.
- E. None of the above.

Answer: C

QUESTION 125:

Which two voice trunks typically make use of the Dialplan-pattern command? (Choose all that apply.)

- A. ISDN PRI.
- B. ISDN BRI.
- C. Analog FXO.
- D. Analog FXS.

Answer: A, B

QUESTION 126:

You are the Network technician at Certkiller . You have been instructed to make an outbound call to PSTN. Which IOS feature of Cisco CME will be of use to you?

- A. AAA.
- B. EIGRP
- C. MGCP.
- D. Dial-peers.
- E. Calling Search Space.

Answer: D

QUESTION 127:

To which of the following servers can Cisco CME log CDR records? (Choose all that apply.)

- A. FTP.
- B. NFS.
- C. SYSLOG.
- D. Radius.
- E. TFTP

Answer: C, D

QUESTION 128:

Which of the following IOS features does Cisco CME leverage for call billing? (Choose all that apply.)

- A. AAA
- B. DTMF.
- C. VAD
- D. SYSLOG.
- E. All of the above.

Answer: A, D

QUESTION 129:

The new Certkiller trainee technician wants to know which platform is able to support Cisco CME 3.0. What will you reply be?

- A. 1720
- B. 1751-V
- C. 1721
- D. 1750
- E. 2650.

Answer: B

QUESTION 130:

The new Certkiller trainee technician want to know which of the following platforms can support Cisco CME 3.0. What will you reply be?

- A. 1721 only
- B. 2620-XM only
- C. 2650 and 3620
- D. 2620-XM and 2650-XM

Answer: D

QUESTION 131:

Which of the following must be configured for SCCP integration with Cisco CME? (Choose all that apply.)

- A. POTS dial peer.
- B. Vm device id.
- C. MWI on/off ephone-dn.
- D. voice mail access number.
- E. All of the above.

Answer: B, C, D

QUESTION 132:

The new Certkiller trainee technician want to know which of the following platforms can support Cisco CME 3.0.
What will you reply be?

- A. 2691, and 7200 VXR
- B. 2691, 3725, and 3745
- C. 2650, 3725, and 7200 VXR
- D. 2650, 3745, and 7200 VXR

Answer: B

QUESTION 133:

Which of the following endpoints are supported by Cisco CME3.0 and below? (Choose all that apply)

- A. 7914.
- B. ATA-186.
- C. ATA-188.
- D. VIP 30
- E. Cisco IP softphone

Answer: A, B, C

QUESTION 134:

Which of the following endpoints are supported by Cisco CME? (Choose all that apply)

- A. 7935.
- B. 7960.
- C. VIP 30.
- D. Cisco IP softphone 1.2.
- E. Cisco IP softphone

Answer: A, B

QUESTION 135:

Which of the following protocols are supported by Cisco CME? (Choose all that apply)

- A. SIP
- B. H.323.
- C. SCCP.
- D. MGCP.
- E. JTAPI

Answer: A, B, C

QUESTION 136:

Which of the following protocols are supported by Cisco CME? (Choose all that apply)

- A. SIP
- B. JTAPI.
- C. SCCP
- D. MGCP

Answer: A, C

QUESTION 137:

Which of the following protocols are supported by Cisco CME? (Choose all that apply)

- A. H.323.
- B. JTAPI.
- C. SCCP.
- D. MGCP.

Answer: A, C

QUESTION 138:

Which of the following protocols are supported by Cisco CME? (Choose all that apply)

- A. H.323.
- B. SCCP
- C. MGCP
- D. Megaco.

Answer: A, B

QUESTION 139:

Which of the following protocols are supported by Cisco CME for call transfer? (Choose all that apply)

- A. ECS.
- B. H.450.2
- C. H.450.3
- D. Cisco Proprietary.
- E. Megaco

Answer: B, D

QUESTION 140:

Which of the following protocols are supported by Cisco CME for call forwarding? (Choose all that apply)

- A. ECS.
- B. H.450.2
- C. H.450.3
- D. Cisco Proprietary.
- E. Megaco

Answer: C, D

QUESTION 141:

Which of the following statements are true regarding H.450 implementation in Cisco CME 3.0? (Choose all that apply)

- A. IP phones require app-h450-transfer tel. Script to support H450.
- B. IP phones do not require app-h450 transfer tel.. script to support H450.
- C. Analog phones connected to FXS ports require app-H450 transfer tel script to support H450.
- D. Analog phones connected to FXS ports do not require app-H450 transfer tel script to support H450.

Answer: B, C

QUESTION 142:

When using Cisco CME3.0, H.450 is implemented in which interface for the IP phones?

- A. MGCP.
- B. FXS
- C. Skinny subsystem.
- D. Default session application.
- E. App-h450 transfer tel script.

Answer: D

QUESTION 143:

Which codec is required by Cisco CME 3.0 and versions below to enable VoIP conferencing?

- A. g723
- B. g726
- C. g711
- D. g729

Answer: C

QUESTION 144:

Which of the following codecs is supported by Cisco CME for VoIP calls?

- A. g.711 only.
- B. g.711 and g.729.
- C. g.723 and g.726.
- D. g.723 and g.729.

Answer: B

QUESTION 145:

The new Certkiller trainee technician want to know which voice gateway will support H.450 call transfer on a default session application. What will you reply be?

- A. All Cisco CME routers.
- B. All Cisco CME routers Running 12.2 (15) ZJ3 or higher.
- C. All Cisco CME routers Running 12.2 (8) T or higher.
- D. All Cisco CME routers Running 12.2 (11) T and lower.

Answer: C

Restrictions

Cisco-proprietary call transfer uses a Cisco-proprietary protocol and can interwork with Cisco1700, Cisco2600, Cisco3600, and Cisco3700 series routers that are running CiscoIOS Release 12.2(8)T or a later release

QUESTION 146:

The new Certkiller trainee technician want to know which of the following voice gateways can support H.450 call forwarding. What will you reply be? (Choose all that apply.)

- A. Cisco Multiservice access routers running 12.2 (13) T
- B. Cisco Multiservice access routers running 12.2 (11) YT
- C. Cisco Multiservice access routers running 12.2 (11) T
- D. Cisco Multiservice access routers running 12.2 (15) ZJ

Answer: B, D

QUESTION 147:

Which of the following tasks will the Cisco CME administrator's GUI allow you to perform? (Choose all that apply.)

- A. To add a new phone.
- B. To add a music on hold source.
- C. To delete existing phones.
- D. To modify an existing phone.
- E. Adding a voice mail service.

Answer: A, C, D

QUESTION 148:

Which of the following tasks will the Cisco CME phone users GUI allow you to perform? (Choose all that apply.)

- A. Changing a user's password.
- B. Editing speed dials for the user's phone.
- C. Changing of voice mail.
- D. Searching the local user directory.
- E. Editing the idle URL for the user's phone.

Answer: A, B, D

QUESTION 149:

Which of the following commands are necessary to enable the use of the Cisco CME GUI? (Choose all that apply.)

- A. IP http server.
- B. service tep small servers.
- C. ip http path flash.
- D. ip http authentication enable.

Answer: A, C

QUESTION 150:

Where should the Cisco CME web files first be loaded onto in order for you to access the router via the Cisco CMME GUI?

- A. An external tftp server.
- B. An external web server.
- C. The flash memory of the Cisco CME router.
- D. The internal FTP server.
- E. NVRAM of the Cisco CME router.

Answer: C

QUESTION 151:

Which command will you use if you want to enable consultative call transfer for all transfer targets?

- A. Transfer system full blind.

- B. Transfer system blind.
- C. Transfer system full consult.
- D. Transfer remote consult.
- E. Transfer system local consult.

Answer: C

QUESTION 152:

Which command will you use if you want to enable call transfer to remote targets?

- A. Transfer pattern.
- B. Transfer system.
- C. Router pattern.
- D. Transfer remote.

Answer: A

QUESTION 153:

Which of the following LOS voice port functions allows an incoming call from an analog FXO port to be routed to an IP phone?

- A. Call-forward all.
- B. Call-Transfer all
- C. Direct-inward-dial.
- D. Destination-pattern.
- E. Connection plar opx.

Answer: E

QUESTION 154:

When using Cisco CME 3.0 app-H.450 transfer tel script is required for enabling call transfer on which of the following?

- A. IP phones.
- B. IP phones on FXS only
- C. All analog phones.
- D. Analog phones on ATA only.
- E. Analog phones on FXS only.

Answer: E

QUESTION 155:

Which of the following commands are used to enable H.450.3 call forwarding for all calling parties?

- A. Call forward all
- B. Call-forward all T
- C. Forward system T.
- D. Forward system all.
- E. Call forward pattern T.

Answer: E

QUESTION 156:

Which of the following are used to determine call forward patterns?

- A. Call forward calling parties that use VoIP.
- B. Call forward calling parties that use H.450.
- C. Call forward calling parties when the call is busy.
- D. Call forward calling parties when the call is not answered.
- E. Call forward calling parties that use VoATM

Answer: B

QUESTION 157:

Which of the following protocols will be used when the calling party number does not match the call forward pattern?

- A. H.450.2
- B. VoIP
- C. H.450.3
- D. H.450.12.
- E. Cisco Proprietary.

Answer: E

QUESTION 158:

Which of the following are required in Cisco CME 3.0 to enable H.450.3 call forwarding? (Choose all that apply).

- A. App-h450-transfer-tel script is required for IP phones.
- B. No app-h450-transfer=tel script is required for IP phones.
- C. App-h450-transfer-tel scripts is required for analog for analog FXS phones.
- D. No app-h450-transfer-tel script is required for analog FXS phones.

Answer: B, C

QUESTION 159:

Which of the following system wide options can be configured in Cisco CME? (Choose all that apply).

- A. Interdigit timeout.
- B. Musci-on-hold music file.
- C. Music-on-hold live feed port.
- D. Default speed dials for all IP phones.
- E. Modified speed dials for all IP phones

Answer: A, B, C, D

Only modified speed dials for all IP Phones cannot be configured system wide.

QUESTION 160:

Music-on-hold can be streamed to which of the following g.711 end points being placed on hold by an IP phone registered to the Cisco CME router? (Choose all that apply).

- A. A PSTN caller.
- B. An on net VoIP endpoint.
- C. AN IP phone registered to the same Cisco CME router.
- D. An analog phone connected to an FXS port on the Cisco CME router.

Answer: A, B, D

QUESTION 161:

You are the network administrator for a company Certkiller .com. Your newly appointed Certkiller trainee wants to know what the maximum number of simultaneous conference calls allowed in Cisco CME 3.0 and below is. What will your reply be?

- A. There is not limit.
- B. Three on the Cisco 2600XM series and three on the Cisco 3700 series.
- C. Four on the Cisco 2600XM series and eight on the Cisco 3700 series.
- D. Eight on the Cisco 2600XM series and sixteen on the Cisco 3700 series.
- E. Twelve on the Cisco 2600XM series and twenty on the Cisco 3700 series

Answer: D

QUESTION 162:

Which of the following statements are true regarding Conference capability on Cisco CME 3.0 and below?

- A. g.711 Conference requires DSP Farm from the router.

- B. g.711 Conference requires extra DSPs from the FXS ports.
- C. g.729 Conference media mixing requires DSP on the Cisco CME router.
- D. g.711 Conference Media mixing is within IOS, thus no additional DSP is required from the Cisco CME router.

Answer: D

QUESTION 163:

What can a user do to access the following speed dial entry?

Ephone 1

Fastdial1 1000 name marketing.

- A. CCMuser web page. \
- B. Personal Directory Application.
- C. Directory button on 7940 or 7960.
- D. Softkey on 7940 or 7960.
- E. Personal Directory Application.

Answer: C

QUESTION 164:

What can a user do to access the following speed dial entry?

Ephone 1

Speed dial 1 1000 name Marketing.

- A. CCMuser web page.
- B. Softkey on 7940 or 7960.
- C. Line button on 7940 or 7960.
- D. Personal Directory Application.
- E. Directory button on 7940 to 7960.

Answer: C

QUESTION 165:

Under which circumstances will a called party be supported by Cisco CME 3.0 Callback Busy Subscriber?

- A. When at any endpoint.
- B. When an IP phone on a remote system reached using PSTN.
- C. When an IP Phone on the same Cisco CME system.
- D. When an IP phone on a remote system reached using VoIP.

Answer: C

QUESTION 166:

Which of the following IOS commands will you use to enable Callback Busy Subscribers?

- A. Router(config-telephony-service) # ccbs.
- B. It is enabled by default.
- C. Router(config-telephony-service) # callback.
- D. Router(config-telephony-service) # call-back.

Answer: B

QUESTION 167:

The new Certkiller trainee technician wants to know which time format can be configured in Cisco CME for display on IP phones. What will you reply be?

- A. 24 hour only.
- B. 12 hour only.
- C. both 12 and 24 hour.
- D. Time display is not supported with Cisco CME.

Answer: C

QUESTION 168:

The new Certkiller trainee technician wants to know which date formats can be configured in Cisco CME for display on IP phones. What will you reply be?

- A. mm-dd-yy only.
- B. yy-mm-dd only.
- C. both mm-dd-yy and yy-mm-dd
- D. Date display is not supported with Cisco CME.

Answer: C

QUESTION 169:

To which device does the Idle URL apply when configured?

- A. A defined subset of registered 7960/7940 IP phones.
- B. All configured 7960/7940 ephones.
- C. All registered 7960/7940 IP phones.
- D. Individual 7960/7940 IP phones specifically configured with an Idle URL.
- E. The Idle URL feature is not supported with Cisco CME.

Answer: C

QUESTION 170:

You are the Network technician at Certkiller . You have been instructed to change the text displayed in the IP phone header bar of a 7960/7940 IP phones. Which command will you use to accomplish this task?

- A. name.
- B. description.
- C. display.
- D. username.

Answer: B

QUESTION 171:

The new Certkiller trainee technician wants to know which two configurable fields Cisco CME use to populate the Local Directory database. What will you reply be? (Choose all that apply.)

- A. display.
- B. number.
- C. name.
- D. description.

Answer: B, C

QUESTION 172:

Which of the following are the possible listings for "John Smith" from the Local Directory as displayed by the IP phone? (Choose all that apply.)

- A. J. Smith.
- B. Smith. John.
- C. Smith J.
- D. John Smith.

Answer: B, D

QUESTION 173:

Which of the following IP phone feature needs to be configured to enabled users to send Hookflash to an analog trunk?

- A. Flash Softkey.
- B. URL services.
- C. SMTP services
- D. It is enabled by default.

E. H.450 script on FXS port.

Answer: A

QUESTION 174:

The function of the Acct softkey is to enter account codes for?

- A. For billing.
- B. To access VM.
- C. To access TFTP
- D. To log on to IP phone.
- E. To access trunk lines.

Answer: A

QUESTION 175:

Which of the following must be assigned to configure paging? (Choose all that apply).

- A. Paging dn to ephone.
- B. Paging dn to ephone dn.
- C. An extension number for paging to ephone.
- D. An extension number for paging to ephone dn.

Answer: A, D

QUESTION 176:

Which of the following delivery mechanisms are used by paging? (Choose all that apply).

- A. Unicast.
- B. Multicast.
- C. Similcast.
- D. Broadcast.

Answer: A, B

QUESTION 177:

Which of the following best describes the differences between intercom and speed dial?

- A. There is no difference.
- B. Intercom is mapped to a softkey.
- C. Speed dial is mapped to a softkey.
- D. Speed-dial must be configured by administrator.

E. By default, intercom call is automatically answered.

Answer: E

Speed-dials can be added by users, only answer E is valid.

QUESTION 178:

For which of the following is the intercom barge configured?

- A. Monitor active intercom calls.
- B. Have intercom answered even when the target is on a call.
- C. Allow an active intercom to be merged with an existing call.
- D. Establish a two way voice path as soon as intercom is pressed.

Answer: B

QUESTION 179:

Which of the following is a supported legacy voice mail integration method with Cisco CME 3.0?

- A. DTMF using ATA ports.
- B. DTMF using FXS ports.
- C. SMDI integration using VG248.
- D. SCCP integration using DPA 7910.

Answer: B

QUESTION 180:

Which of the following protocols are used for integrating Cisco CME and Unity? (Choose all that apply).

- A. SIP
- B. STP
- C. SCCP
- D. MGCP
- E. VoIP

Answer: A, C

QUESTION 181:

When integrating Cisco CME and Unity with the Skinny protocol, where will configuration be required?

- A. Cisco CME only.
- B. Unity only.
- C. Unity and Cisco CME.

- D. Cisco CME only, Unity is optional.
- E. Unity only, Cisco CME is optional.

Answer: C

QUESTION 182:

For what is SIP used when you use Cisco CME3.0 and Unity integration?

- A. For toll bypass.
- B. For MWI notification.
- C. For graceful failover.
- D. For inband DTMF relay.
- E. To associate the voice-mail device port to Unity.

Answer: B

QUESTION 183:

In which IOS submenu would you advice the new Certkiller trainee technician to enter DTMF digit pattern commands?

- A. Router(config-if)#.
- B. Router(config-dial-peer)#.
- C. Router(config-vm-int)#.
- D. Router(config-telephony)#.

Answer: C

QUESTION 184:

The Certkiller administrator configured analog DTMF integration between Cisco CME and legacy VM. However, he noticed that unanswered calls from extension to extension are forwarded to VM, but unanswered calls from PSTN are not forwarded to VM.

What did the administrator neglect to configure that is causing the problem?

- A. Pattern trunk-to-ext busy.
- B. Pattern ext-to-ext busy.
- C. Pattern ext-to-ext no-answer.
- D. Pattern trunk-to-ext no-answer.

Answer: D

QUESTION 185:

What is the purpose of using SCCP in Cisco CME and Unity integration? (Choose all that apply.)

- A. To partition Unity VM between multiple Cisco CME systems.
- B. To enable MWI notification.
- C. For graceful failover.
- D. To associate a voice mail device port to a Unit.
- E. To apply separate regions for 729 and g.711 codecs.

Answer: B, D

QUESTION 186:

What will you instruct the new Certkiller trainee technician to configure for both Unity and DTMF integration with Cisco CME? (Choose all that apply.)

- A. Vm device id.
- B. MWI on/off ephone-dn.
- C. POTS dial peer.
- D. voice mail access number.
- E. All of the above.

Answer: B, D

QUESTION 187:

What will you instruct the new Certkiller trainee technician to configure with Cisco CME for DTMF integration? (Choose all that apply.)

- A. Vm device id.
- B. MWI on/off ephone-dn.
- C. POTS dial peer.
- D. voice mail access number.
- E. All of the above.

Answer: B, C, D

QUESTION 188:

What will you instruct the new Certkiller trainee technician to configure with Cisco CME for SCCP integration? (Choose all that apply.)

- A. Vm device id.
- B. MWI on/off ephone-dn.
- C. POTS dial peer.
- D. voice mail access number.
- E. All of the above.

Answer: A, B, D

QUESTION 189:

Which of the following digit patterns must be configured in order to enable access to the voice mail system when a user presses the phone's Message button?

- A. Pattern ext to trunk busy.
- B. Pattern trunk to ext busy.
- C. Pattern direct.
- D. Pattern ext to ext busy.
- E. Pattern ext to ext no answer.

Answer: C

QUESTION 190:

Which of the following values must match between Cisco CME and Unity in order to make integration work? (Choose all that apply.)

- A. Calling Search Space.
- B. Voice mail device name.
- C. CGN Pattern.
- D. Interdigit timeout.
- E. Message Waiting Indication On and Off extension number.

Answer: B, E

QUESTION 191:

Which of the following remote control features are enabled when the IOS TSP application on PC is used? (Choose all that apply.)

- A. On hold placing of calls.
- B. Incoming call answering.
- C. Call transfer to another extension.
- D. Forwarding incoming calls to voice mail.

Answer: A, B, D

QUESTION 192:

When you configure the TSP application to the PC which of the following information will you find useful? (Choose all that apply.)

- A. The Username and password of the Cisco CME administrator account.
- B. The Username and password of the user account for the IP phone being controlled.
- C. The Cisco CME router IP address.
- D. The IP address of the IP phone being controlled.

Answer: B, C

QUESTION 193:

When using the IOS TSP application on a PC, which of the following features is possible? (Choose all that apply.)

- A. Mute.
- B. Caller ID.
- C. Call redial.
- D. Address book dialing.
- E. 3 party conference call setup.

Answer: A

QUESTION 194:

You are the network technician at Certkiller . You are using the IOS TSP application to control an IP phone. Your newly appointed Certkiller trainee wants to know what device you are using for voice termination. What will your reply be?

- A. The IP Phone only.
- B. The TSP application only.
- C. Either the IP Phone or the TSP application.
- D. Both the IP Phone and the TSP application.

Answer: A

QUESTION 195:

You are the network technician at Certkiller . You want to sends all incoming PSTN calls over an FXO port to an Attendant at extension 9659.

What command should you use?

- A: Attendant dn 9659.
- B: Connection trunk 9659.
- C: Connection plar opx 9659.
- D: Connection tic lme 9659.

Answer: C

QUESTION 196:

You are the network technician at Certkiller . You are configuring an Attendant phone to monitor other extensions.

What is the result of the command button 4.3?

- A. Button 3 of the Attendant phone is assigned ephone dn 4.
- B. Button 4 of the Attendant phone is assigned ephone dn 3.
- C. Button 3 of the Attendant phone is assigned all extensions of ephone 4.
- D. Button 4 of the Attendant phone is assigned all extensions of ephone 3.

Answer: B

QUESTION 197:

You are the network technician at Certkiller . You are configuring a single ephone. You issue the following command:

```
button3s15
```

What is the effect of this command?

- A. ephone-dn 15 will not give any indications for incoming calls.
- B. ephone-dn 15 will not give visible indications for incoming calls.
- C. ephone-dn 15 will not give audible indications for incoming calls.
- D. ephone-dn 15 will give only visible indications for incoming calls.
- E. ephone-dn 15 will not give audible and visible indications for incoming calls.

Answer: C

The "s" variable will disable audible notification, the visible notification remains.

QUESTION 198:

In the Cisco CME, what must be created to provide an IVR Auto Attendant?

- A. C# application script
- B. TCL application script.
- C. C++ application script.
- D. HTTP application script.
- E. Visual Basic application script.

Answer: B

QUESTION 199:

You are the network technician at Certkiller . You want to troubleshoot mwi issues.

What command should you use?

- A. show ephone mwi
- B. debug http mwi
- C. debug ephone mwi
- D. debug ephone dn mwi
- E. debug telephony service mwi

Answer: C

QUESTION 200:

You are the network technician at Certkiller . You want to verify the extension status for one of the Certkiller IP phones.

What command should you use?

- A. show ephone.
- B. show ephone dn.
- C. show dial peer active.
- D. show ephone extension.
- E. show telephony service.

Answer: A

QUESTION 201:

You are the network technician at Certkiller . You want to verify the mac-address of locally connected IP phone.

What command should you use?

- A. show ephone.
- B. show ephone dn.
- C. show edp ephone.
- D. show in dhep server.
- E. show telephony service.

Answer: A

QUESTION 202:

You are the network technician at Certkiller . The Certkiller users are complaining that they cannot access the Local directory from their phones.

What is the probable cause of this problem?

- A. The DCD server is offline.
- B. The IP http server is not enabled.
- C. The Directory server is not enabled.
- D. The Directory xml file has not been downloaded to router flash.

E. The Local directory has not been enabled using directory local command.

Answer: B

QUESTION 203:

Which of the following commands will you advise the Certkiller trainee technician to use in order to verify language configured for Cisco CME?

- A. The show ephone connection.
- B. The show telephony service locale.
- C. The show telephony service language.
- D. The show telephony service tftp bindings.
- E. The show ephone ip

Answer: D

QUESTION 204:

Which of the following will enable the Certkiller administrator to verify the version for Cisco CME 3.0 and above? (Choose all that apply.)

- A. Browse "About" help menu in Cisco CME GUI.
- B. Enter the "show ephone ip" command
- C. Enter "Show telephony service" command.
- D. Verify the IOS version and match the Cisco CME version in release notes.
- E. If IP phones show Cisco CME on display, Cisco CME 3.0 is always running.

Answer: A, C, D

QUESTION 205:

When troubleshooting CME GUI, which of the following will be valid steps? (Choose all that apply.)

- A. Verifying that "ip http service" has been enabled on the router.
- B. Verifying that correc thtml files has been downloaded to the router flash.
- C. Verifying that "ip http server" has been enabled on the router.
- D. Verifying that correct thtml files have been downloaded to the router DRAM.

Answer: B, C

QUESTION 206:

You are the Network technician at Certkiller . Some of the Certkiller users reported that they are able to access the CME GUI homepage, but cannot login. Which of the following commands will be valid and allow users to login to CME GUI? (Choose all that apply.)

- A. Router (config-ephone) # username.
- B. Router (config-telephony)#username
- C. Router (config-telephony)#web admin
- D. Router (config-ephone) # Web admin.
- E. All of the above.

Answer: A, C

QUESTION 207:

What could be the source of the problem when you encounter a situation where a 7910 IP phone registers is Cisco CME, but extension numbers do not appear?

- A. ephone-dn has not been mapped to ephone.
- B. An undefined phone type for 7910 under ephone.
- C. There is an authentication failure during auto-registration.
- D. Cisco CME and 7910 need to be in same device pool.

Answer: A

QUESTION 208:

What could be the source of the problem when you encounter a situation where a 7960 IP phone with 7914 attached registers to Cisco CME, Extensions appear on 7960, but extension numbers on 7914 do not appear.

- A. A separate undefined ephone for 7914.
- B. There's an authentication failure during auto-registration.
- C. The phone type for 7914 has not been defined under ephone.
- D. Undefined username and password under ephone.

Answer: C

QUESTION 209:

Which of the following debug commands must be used when an IP phone registers but fails to download proper firmware?

- A. debug voip ivr
- B. debug voip ccapi inout
- C. debug t ftp events
- D. debug voip ccapi in
- E. debug voip ccapi out

Answer: C

QUESTION 210:

What could be the source of the problem when you encounter a situation where incoming callers to an analog FXO port on a Cisco CME system receive dial-tone only?

- A. The direct-inward-dial is improperly configured on voice port.
- B. The default-destination is improperly configured under telephony-service.
- C. The connection plar opx is improperly configured on voice port.
- D. This is default behavior for Cisco CME application and cannot be changed.

Answer: C

QUESTION 211:

When you want to enable firmware download what needs to be fixed with the following configuration?

Tftp-server flash P00303020214 bin.

Telephony service.

Max-ephone - 48.

Max-dn 288.

Ip source address 192.168.1.1 port 2010.

Create enf-files.

- A. Port 2010 should be reconfigured to port 2000.
- B. XML Default enf. Xml file needs to be shared using tftp-server command.
- C. This is a valid configuration and there is no need to fix anything.
- D. SEPDEFAULT.CNF file has to be configured for sharing by using tftp-server command.

Answer: C

QUESTION 212:

7960 IP phones using the following configuration fail to download firmware.

Tftp-server flash P00303020214.bin.

Telephony service.

Load 7960 - 7940 P00303020214-bin.

Max-ephones 48

Max-dn 288.

Ip source address 192.168.1.1 port 2000.

Create enf.files.

Can you identify what the problem is with the above configuration?

- A. This is valid configuration thus there is no problem.
- B. XMLDefault enf.xml file must be shared using tftp-server command.
- C. Load command should not have bin extension.
- D. Create enf-files command needs to be removed.

Answer: C

QUESTION 213:

You are the network technician at Certkiller . Certkiller has several IP Phones that use the following configuration.

Tftp-server flash P00303020214.bin.

Telephony service.

Load 7960 - 7940 P00303020214-bin.

Max-ephones 48

Max-dn 288.

Ip source address 192.168.1.1 port 2000.

Create enf-files.

The IP phones fail to download firmware.

What is the cause of this problem?

- A. There is no problem. This is valid configuration.
- B. The create enf-files command needs to be removed.
- C. The load command should not have a .bin extension.
- D. The XMLDefault enf.xml file needs to be shared using the tftp-server command.

Answer: C

QUESTION 214:

You are the network technician at Certkiller . Certkiller is using Cisco CME 3.0. You want to enable H.450 call transfer from an IP phone.

What must you configure on the VoIP dial peer?

- A. Nothing.
- B. The create enf-files command.
- C. The application H.450 command.
- D. The transfer application command.
- E. The call transfer application command.

Answer: A

QUESTION 215:

Which three of the following platforms does Cisco CME 3.0 support? (Choose all that apply.)

A: 3620

B: 3640A

C: 3660

D: 3725

E: 7200

Answer: B, C, D

QUESTION 216:

You are the network technician at Certkiller . Certkiller has a Cisco CME system with XML. You newly appointed Certkiller trainee wants to know what the purpose of XML is.

What will your reply be?

- A: It allows for the sue of a fully featured web browser
- B: It allows for the use of video applications on the phone
- C: It allows for the development of customized features and application
- D: It allows for the linking of the Cisco CME system with Cisco CallManager billing applications

Answer: C

QUESTION 217:

Cisco CallManager Express is being implemented in a standalone environment with PSTN interfaces. Which two of these represent valid options for fax support?

(Choose two.)

- A. Make the fax machine appear to be an SIP device by connecting it to an ATA.
- B. Make the fax machine appear to be an H.323 device by connecting it to an ATA.
- C. Make the fax machine appear to be an SCCP device by connecting it to an ATA.
- D. Connect the fax to an FXO port of the Cisco CallManager Express router.
- E. Connect the fax to an FXS port of the Cisco CallManager Express router.

Answer: C,E

QUESTION 218:

Exhibit:



An IP Phone user hears echo caused by hybrids in a PSTN network. What is the best solution?

- A. Use a load ID on the IP Phone, which includes echo suppression on the handset and headset.
- B. Configure and verify echo cancellation operation on a Cisco IOS gateway.
- C. The cause of echo is on the PSTN side, so you need to contact the individual

PSTN.

D. Configure the echo canceler coverage to a value less than the time the echo needs to return to the gateway.

Answer: B

QUESTION 219:

Exhibit:



In this diagram, where does the cause of echo originate?

- A. the Rx of Phone Certkiller A
- B. the Tx of Phone Certkiller B
- C. the network side of Phone Certkiller A
- D. the network side of Phone Certkiller B

Answer: D

QUESTION 220:

Your IT manager wants you to configure CUE to use the GUI interface. Which two configuration steps must be executed? (Choose two.)

- A. An NTP server must be set up.
- B. An HTTP server must be configured on the IOS router.
- C. GUI files must be installed in router flash.
- D. SIP dial peers must be set to route calls to CUE.
- E. GUI config must be specified during initial configuration steps.

Answer: B,C

QUESTION 221:

The Sam Adams ComCorr Co. wants to set up multicast MOH functionality to

enable the streaming of music from an MOH server to the voice interfaces of on-net and off-net callers that are placed on hold. Which type of signaling is implemented in Cisco CallManager to ensure that this can happen?

- A. Q.931
- B. H.323
- C. MGCP
- D. H.245
- E. H.232
- F. H.225

Answer: B

QUESTION 222:

Which user configuration method will allow specific users to be imported into CUE from CME?

- A. CUE Initialization Wizard
- B. CLI as a user
- C. CLI as an administrator
- D. GUI web pages

Answer: A

QUESTION 223:

The Abigail Braintree Foundation is a medium-size, not-for-profit literacy group that wants to implement centralized call processing. The group will implement a hub-and-spoke topology, with all of the remote branches connected to the central site via an IP WAN. The remote branch size will be limited to 150 IP Phones that are able to provide the SRST feature. Each time a remote branch Phone places a call, the control traffic traverses the IP WAN (even if the call is local to the branch) to reach the Cisco CallManager at the central site. All the control traffic is exchanged between a Cisco CallManager at the central site and endpoints or gateways at the remote branches. Which three signaling protocols can traverse the IP WAN in this deployment model? (Choose three.)

- A. SCCP
- B. H.450.1
- C. H.450.2
- D. SGCP
- E. H.323
- F. Telephony Application Programming Interface

Answer: A,E,F

QUESTION 224:

When a CUE module is restored from a backup server, to what location are the configuration files restored?

- A. They are copied back to the router FLASH memory, and then the CUE module boot loader copies them either to the AIM or the NM modules.
- B. The files are copied directly to either the CUE AIM or the NM.
- C. The files are copied to the router FLASH memory.
- D. The files are copied to the CUE AIM or the NM and a copy is placed in the router FLASH memory.

Answer: B

QUESTION 225:

When integrating Cisco CallManager Express with Cisco Unity v 3.1 or higher, which three of these integration methods are supported? (Choose three.)

- A. analog
- B. SCCP
- C. H.323
- D. SIP
- E. digital T1
- F. digital E1

Answer: B,C,D

QUESTION 226:

What three methods can be used to configure users in CUE?

- A. user importation from the Microsoft Exchange server
- B. CUE Initialization Wizard
- C. CLI as a user
- D. CLI as an administrator
- E. GUI web pages

Answer: B,D,E

QUESTION 227:

The next step in your IP telephony installation plan is to configure your Cisco CallManager Express router to connect to the PSTN. The telco is delivering a T1 PRI configured for ESF/B8ZS. You have only purchased enough capacity to support

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12 voice calls. Which controller configuration best supports your installation requirements?

- A. controller t1 1/0 linecode b8zs framing esf clock source line pri-group timeslots 1-12 service primary-ni
- B. controller t1 1/0 framing b8zs linecode esf clock source network pri-group 1 timeslots 1-12,24
- C. controller t1 1/0 linecode b8zs framing esf clock source line pri-group timeslots 1-12,24
- D. controller t1 1/0 linecode b8zs framing esf clock source network pri-group timeslots 1-12 service primary-ni

Answer: C

QUESTION 228:

Certkiller .com is interested in deploying an IP telephony solution for their Certkiller .com facility and two remote test sites. The Certkiller .com facility has approximately 450 employees and will require a Cisco CallManager. Each of the test sites has 75 employees, and each test site will require a Cisco CallManager Express. Certkiller .com currently has an IP WAN connecting these sites, but it will be used for data only. Which Cisco CallManager Express deployment model would characterize each of the test sites?

- A. Cisco CallManager Express integration with Cisco CallManager
- B. Cisco CallManager Express integration with SIP
- C. Cisco CallManager Express stand-alone
- D. Cisco CallManager Express to Cisco CallManager Express

Answer: C

QUESTION 229:

Four steps are necessary for backing up CUE. Step 1: Take CUE offline. Step 2: Step 3: Initiate the backup. Step 4: Bring CUE back online. Which option best describes Step 2?

- A. Specify the name of the backup file.
- B. Specify the file size limit for backup.
- C. Set the FTP server to which the backup will be written.
- D. Set the CUE backup schedule option to "immediate".

Answer: C

QUESTION 230:

Exhibit:

```
interface FastEthernet0/0.10
  encapsulation dot1q 100
  ip address 10.100.1.1 255.255.255.0
!
interface FastEthernet0/0.100
  encapsulation dot1q 100
  ip address 10.100.1.1 255.255.255.0
!
ip dhcp excluded address 10.10.1.1 10.10.1.10
ip dhcp excluded address 10.10.1.200 10.10.1.255
ip dhcp excluded address 10.100.1.1 10.100.1.10
ip dhcp excluded address 10.100.1.3 10.100.1.255
!
ip dhcp pool Phones
  network 10.100.1.0 255.255.255.0
  dns-server 128.192.6.247
  domain-name mydomain.com
ip dhcp pool Phones
  network 10.100.1.0 255.255.255.0
  dns-server 128.192.6.247
  domain-name mydomain.com
```

Which two commands need to be added to this configuration to allow IP Phones in subnet 10.100.1.0 to register with Cisco CallManager Express at address 10.10.1.1? (Choose two.)

- A. ip helper address 10.10.1.1 under interface FastEthernet0/0.100
- B. option 150 ip 10.10.1.1 under dhcp pool Phones
- C. default-router 10.100.1.1 under dhcp pool Phones
- D. subnet prefix-length 24 under dhcp pool Phones
- E. encapsulation dot1q 10 native under interface FastEthernet0/0.10

Answer: B,C

QUESTION 231:

Which statement best describes echo?

- A. Echo is the discernable leak-through of your own Rx path into your own Tx path.
- B. Echo is the discernable leak-through of the packets of your Rx path into your

own Tx path.

C. Echo is the nonaudible leak-through of the packets of your Rx path into your own Tx path.

D. Echo is the audible leak-through of the packets from the transmit path into your own receive path.

E. Echo is the nonaudible leak-through of the packets of your Tx path into your own Rx path.

Answer: D

QUESTION 232:

Which configuration will enable a live MOH feed connected to E&M port 1/0/0?

A. voice-port 1/0/0type e&m 4-wire dial-peer 7000 voice voipdestination-pattern 7000port 1/0/0ephone 100number 7000moh out-call 7000

B. voice-port 1/0/0auto-cut-throughoperation 4-wiresignal immediatedial-peer 7000 voice potsdestination-pattern 7000port 1/0/0ephone 100number 7000moh out-call 7000

C. voice-port 1/0/0type e&m 4-wiredial-peer 7000 voice voipdestination-pattern 7000port 1/0/0ephone-dnnumber 7777moh out-call 7000

D. voice-port 1/0/0auto-cut-throughoperation 4-wiresignal immediatedial-peer 7000 voice potsdestination-pattern 7000port 1/0/0ephone-dn 100number 7777moh out-call 7000

Answer: D

QUESTION 233:

Exhibit:



In this typical VoIP network, the digital packet portion of the network is sandwiched between two analog transmission segments. Cowpens is connected by FXS (two-wire analog) to a local VoIP gateway. The Cowpens gateway communicates with the Monotomy gateway through an IP WAN. This packet transmission segment has an end-to-end latency of greater than 30 ms. At the Monotomy end of the call path, the Phone is connected in the same manner as the Phone at Cowpens. Where is the most likely source of echo?

- A. bits leaking in the digital portion
- B. bits leaking in the tail circuit connected to Cowpens
- C. bits leaking in the tail circuit connected to Monotomy
- D. a leakage path between analog Tx and Rx paths in Cowpens, and; sufficient delay in echo return from Monotomy for echo to be perceived as annoying, and; sufficient echo amplitude from Monotomy to be perceived as annoying

Answer: C

QUESTION 234:

You want to classify and mark the packets that are received by a router from a Catalyst 2900 XL. Your supervisor wants you to retag the packets at the router. The connection from the switch to the router must be a trunk in order to carry the Layer 2 CoS markings. The router interface is a Fast Ethernet interface. Which three steps will you use to correctly map 802.1p to DSCP on this L2 switch to accomplish this task? (Choose three.)

- A. router(config)#class-map match-any CoS5 router(config-cmap)#match cos 5
- B. router(config)# policy-map dot1p-to-DSCP router(config-pmap)# class CoS5 router(config-pmap-c)#set dot1p dscp AF11
- C. router(config)# interface fa0.1 router(config-subif)#encapsulation 802.1p router(config-subif)#service-policy input DSCP-to-CoS
- D. router(config)#class-map match-any 802.1p router(config-cmap)#match dscp 5
- E. router(config)# policy-map CoS-to-DSCP router(config-pmap)# class CoS5 router(config-pmap-c)#set ip dscp AF11
- F. router(config)# interface fa0/0.1 router(config-subif)#encapsulation isl 1 router(config-subif)#service-policy input CoS-to-DSCP

Answer: A,E,F

QUESTION 235:

The system administrator at Certkiller .com wants to connect to the PSTN via FXO port 1/0/0. The number assigned to this line by the telco is 408-555-1212. Which configuration will route all incoming calls to a shared line with an extension of 2000?

- A. voice-port 1/0/0description 408 555-1999connection plar 4085551999 2000
- B. voice-port 1/0/0description FXO 4085551999connection plar 2000
- C. voice-port 1/0/0description FXO 4085551999translate incoming-called 4085551999 2000
- D. voice-port 1/0/0description 408 555-1999connection plar ephone-dn 2000

Answer: B

QUESTION 236:

A user dials 95551234. Which of the following configurations will send the digits 4085551234 to the PSTN?

- A. dial-peer voice 1 pots destination-pattern 9555.... prefix 408 port 1/0:23
- B. dial-peer voice 1 pots destination-pattern 9555.... forward-digits 10 port 1/0:23
- C. num-exp 555.... 408555.... dial-peer voice 1 pots destination-pattern 9555.... port 1/0:23
- D. translation-rule 5 rule 1 ^9555 408555 dial-peer voice 1 pots destination-pattern 9555.... translate-outgoing called 5 forward-digits all port 1/0:23

Answer: D

QUESTION 237:

Which two of these methods will allow a CUE administrator to view the output of the CUE message log file? (Choose two.)

- A. syslog server
- B. GUI interface
- C. CLI
- D. text editor
- E. TFTP server

Answer: C,D

QUESTION 238:

You need to configure your single button IP phones so they can answer both internal calls to their 4 digit extension and also their DID number. Which of the following ephone-dn configurations should you use?

- A. Ephone-dn 10 Number 2000 mask 408555xxxx
- B. Ephone-dn 10 dual-line Number 2000 DID 4085552000
- C. Ephone-dn 10 dual-line Number 2000 secondary 4085552000
- D. Ephone-dn 10 Number 2000 DID 4085552000

Answer: C

QUESTION 239:

Ninety-eight users share an E1 connection to the PSTN in your IP telephony service. They all require voice mail. Which three hardware components can be used? (Choose three.)

- A. 2821 Integrated Services Router
- B. 3725 Router
- C. NM-CUE-EC
- D. AIM-CUE
- E. AIM-VOICE with VWIC2-1MFT-T1/E1
- F. NM-2V with VWIC-MFT-E1

Answer: B,C,E

QUESTION 240:

Which three of the following tasks must be completed in a partially automated setup for phones to be able to register with CallManager Express? (Choose three.)

- A. Enable downloading of the firmware of each phone type, using the tftp-server command.
- B. Associate each phone type with a firmware file, using the load command.
- C. Configure an ephone for each phone that will be registering with CallManager Express.
- D. Configure the maximum number of ephones the CallManager Express will support.
- E. Configure the keepalive timer.
- F. Configure the dial plan-pattern to associate extensions with fully qualified E.164 numbers.

Answer: A,B,D

QUESTION 241:

The IP Phone network administrator at Mercer General Communications needs to find the bundle for Cisco CallManager Express that contains the following files: P00303020214.bin P00403020214.bin CP7050101SCCP030530B31.zup telephony_service.html admin_user.js ephone_admin.html Which two files should the network administrator download from www.cisco.com? (Choose two.)

- A. cme-b-acd-2.0.0.0.tar
- B. cme-gui-123-11XL.tar
- C. CiscoIOSTSP1.3.zip
- D. cme-123-11XL.zip
- E. c3745-js2-mz.124-1a.bun
- F. c3745-js2-mz.124-1.tar

Answer: B,D

QUESTION 242:

Which is the best definition of TAPI as it relates to the Cisco CRM Communications Connector?

- A. A telephony server API that enables programmers to build telephony and CTI applications
- B. An extensible Java API designed to scale for use in a range of domains
- C. Standards for simple call control and for manipulating call content
- D. Standards for connecting a PC running Windows through a WAN to telephony services

Answer: C

QUESTION 243:

What protocol is used to communicate the Voice VLAN ID (VVID) to a Cisco IP phone when the IP phone first powers up?

- A. CDP
- B. TFTP
- C. IP
- D. TCP
- E. RTCP

Answer: A

QUESTION 244:

Certkiller .com is interested in deploying an IP telephony solution for their Certkiller .com facility and two remote test sites. The Certkiller .com facility has approximately 450 employees and will require a Cisco CallManager. Each of the test sites has 75 employees, and each test site will require a Cisco CallManager Express. Certkiller .com currently has an IP WAN connecting these sites. Which two of these services and signaling protocols need to be deployed on the IP WAN for this solution to function properly? (Choose two.)

- A. SIP call signaling protocol
- B. H.323 call signaling protocol
- C. MGCP call signaling protocol
- D. QoS services for call setup and RTP streams
- E. QoS services for RTP streams
- F. A SIP proxy to support H.450.x protocols

Answer: B,D

QUESTION 245:

Which protocol is required for an IP Phone to register with Cisco CallManager Express?

- A. TFTP
- B. DHCP
- C. NTP
- D. FTP
- E. AAA

Answer: A

QUESTION 246:

The IP telephony location that you manage uses a PSTN access code of 9. Your service provider expects international calls to be prefixed with 011. Which dial-peer configuration will allow outbound international calls?

- A. dial-peer voice 1 potsdestination-pattern 9011. forward-digits all port 1 0/0:15
- B. dial-peer voice 1 pots destination-pattern 9011T prefix 011 port 1 0/0:23
- C. dial-peer voice 1 voip destination-pattern 9011T forward-digits all port 1 0/0:23
- D. dial-peer voice 1 voip destination-pattern 9011 prefix 011 port 1 0/0:23

Answer: B

QUESTION 247:

Which three of these statements apply to the function of the Cisco CRM Communications Connector? (Choose three.)

- A. It provides click-to-dial and screen pops on incoming calls.
- B. It connects Cisco IP Communications with the Microsoft CRM application.
- C. It connects Cisco IP Communications with the IBM CRM application.
- D. It allows a view of customer account activity before answering the Phone.
- E. The user interface is similar to that of IBM Lotus Notes.
- F. It provides screen pops and click-to-dial for outgoing calls for the customer.

Answer: A,B,D

QUESTION 248:

What are three advantages of implementing separate data and voice VLANs? (Choose three.)

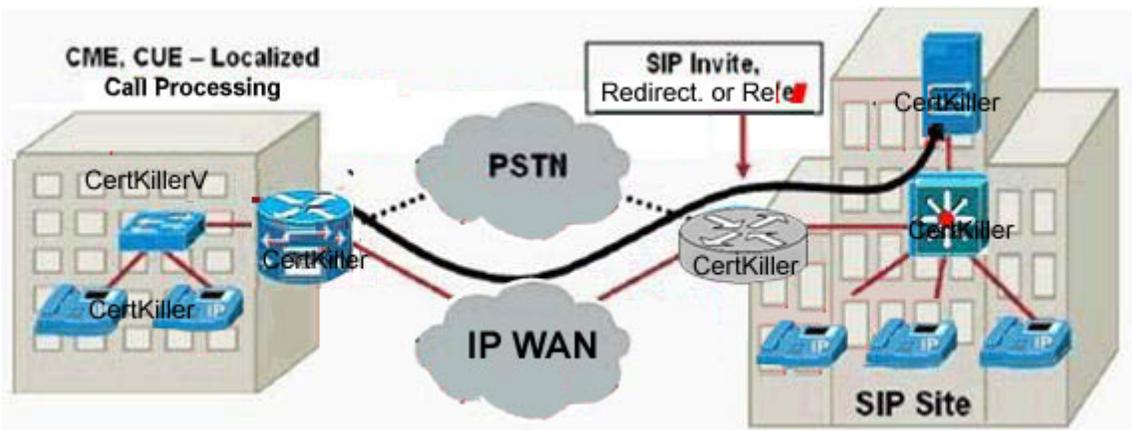
- A. You can configure the differential treatments, such as priority queuing, for

- packets in the voice VLAN within network devices to guarantee the voice quality.
- B. Creating security policies and access lists is easy because the voice and data subnets run in the same space.
 - C. Because the voice traffic will be on a separate VLAN, IP Phones can use a separate IP address space, so you do not need to redesign the existing IP addressing scheme that is already deployed for the data network.
 - D. Phones do not have to respond to broadcasts that are generated on the data network.
 - E. When troubleshooting problems in the network, the separate but converged VLANs mean that you are only working on one network when tracking packet patterns.
 - F. You can configure VLAN priority queuing for packets in the access VLAN within the network to assure voice quality.

Answer: A,C,D

QUESTION 249:

Exhibit:



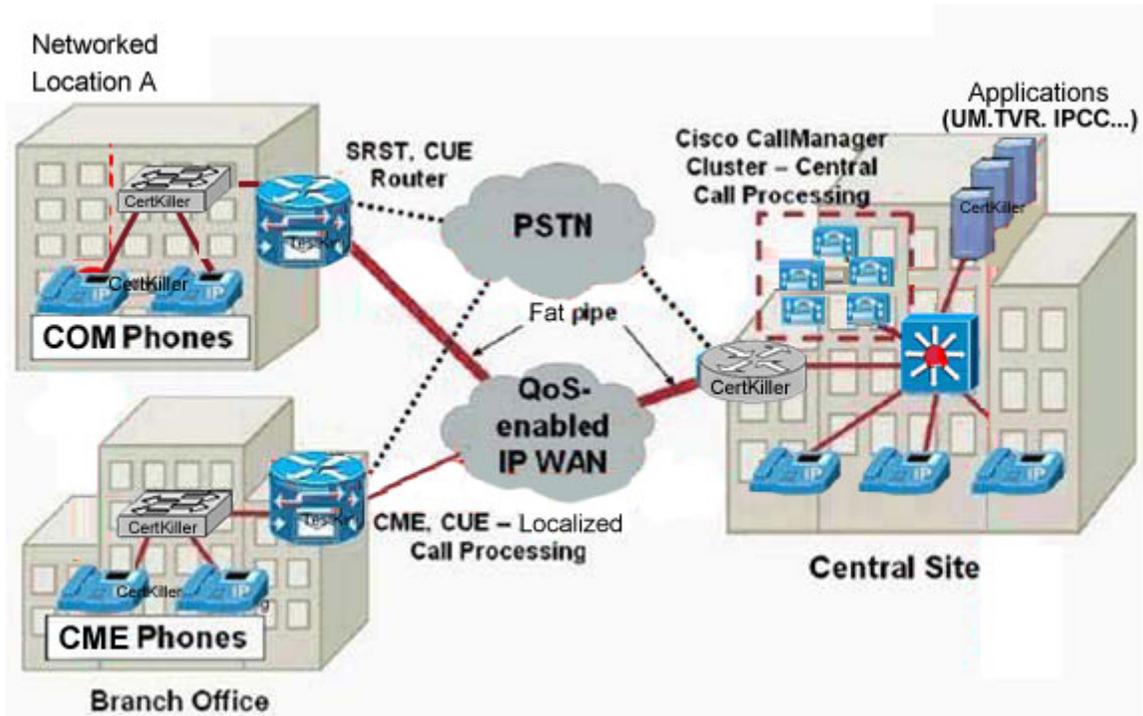
In this diagram, Cisco CallManager Express is being integrated with a SIP network. Which two integration principles apply? (Choose two.)

- A. The SIP server must be configured for E.164 numbers that are going to register with the Cisco CallManager Express database.
- B. SIP support in IOS is a function of localized call processing integrated with CUE.
- C. Use the notify-based DTMF relay mechanism that is proprietary to Cisco.
- D. SIP support in dial peers is an IOS function.
- E. Use either the notify-based DTMF relay mechanism that is proprietary to Cisco or the RFC-based DTMF relay.

Answer: D,E

QUESTION 250:

Exhibit:



This network diagram represents a Cisco CallManager Express integration with Cisco CallManager. Which three principles apply to this design? (Choose three.)

- A. You must use Cisco CallManager 3.3(3) or greater.
- B. Cisco CallManager does not support H.450 protocols.
- C. Connection to the Cisco CallManager is through the H.323 protocol.
- D. Cisco CallManager does not support QSIG protocols.
- E. Cisco CallManager Express supports only H.450(1) through H.450(5).
- F. You must use Cisco CallManager 4.1 or greater.

Answer: A,B,C

QUESTION 251:

Which of these methods will allow the CUE administrator to selectively view logging methods as they occur?

- A. syslog server
- B. GUI interface
- C. CLI
- D. TFTP server

Answer: C

QUESTION 252:

Certkiller .com frequently experiences sleet and snow storms that create inconsistencies in their hours of operation during the winter months. Which two methods can their system administrator use to change the EAG? (Choose two.)

- A. The EAG can be activated and recorded through the TUI.
- B. The EAG can be activated only through the GUI and the file must already be loaded onto CUE.
- C. The EAG can be created offline and uploaded to CUE and activated through the GUI.
- D. The EAG can be activated and recorded through either the TUI or the GUI, but a new EAG must be created for each custom Auto Attendant.
- E. The EAG can be activated and recorded through the TUI, but only after the Welcome Greeting has been deactivated.

Answer: A,C

QUESTION 253:

Certkiller .com is integrating their existing Octel voice mail system with Cisco CallManager Express. The Octel voice mail system has four ports and a voice mail pilot point of 53222. How should the CallManager Express be configured to support this integration?

- A. A separate VoIP dial peer needs to be configured for the four pilot point numbers.
- B. Four dial peers need to be configured with the same pilot point number.
- C. Four ephone-dns and four ephones need to be configured with the same pilot point number.
- D. Four ephones and four dial peers need to be configured with the same pilot point number.

Answer: B

QUESTION 254:

DRAG DROP

List in order the steps to successfully install the CUE module.

642-143

Upgrade the router to a minimum IOS version of 12.3(4) for NM-CUE or 12.3(7) for AIM-CUE

1

Power down the router

2

Insert NM-CUE or AIM-CUE in appropriate.

3

Power up the router

4

Power cycle the router so the new version of IOS is recognized

5

Use the **show version** command on the router to verify the module is recognized

The NM-CUE and the AIM-CUE support OIR, so there is no requirement to power down the router

Answer:

642-143

Upgrade the router to a minimum IOS version of 12.3(4) for NM-CUE or 12.3(7) for AIM-CUE

Power down the router

Insert NM-CUE or AIM-CUE in appropriate.

Power up the router.

Use the **show version** command on the router to verify the module is recognized

Power cycle the router so the new version of IOS is recognized

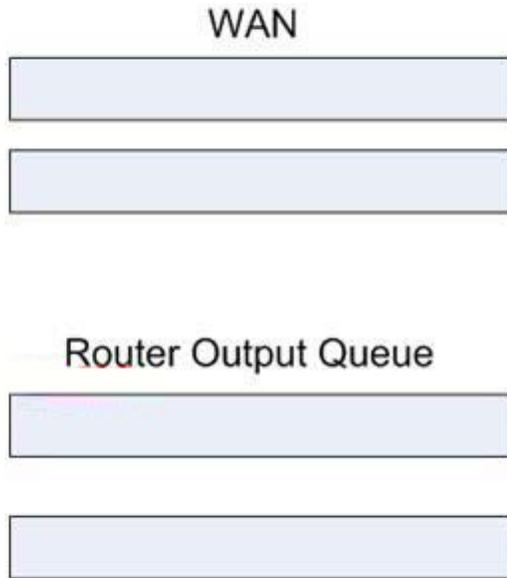
The NM-CUE and the AIM-CUE support OIR, so there is no requirement to power down the router

QUESTION 255:

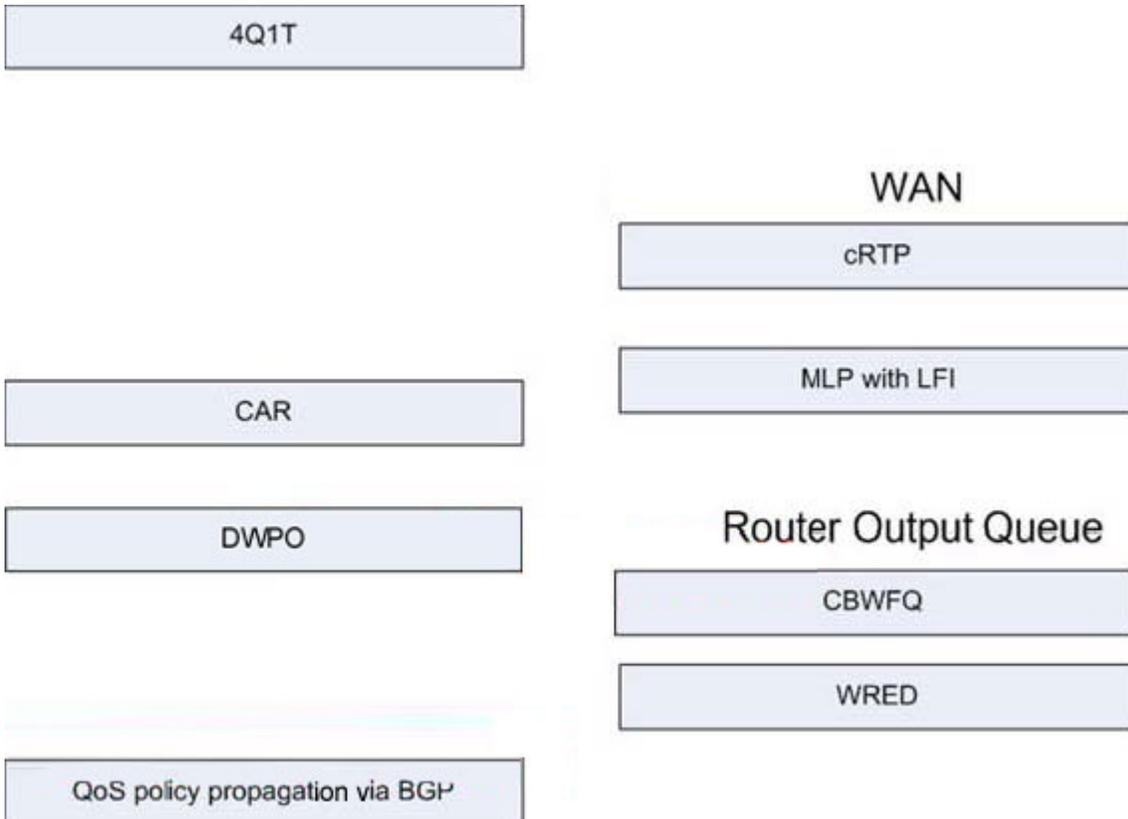
DRAG DROP

Put the QoS feature to the network category it applies to in the IPTX environment on the right (Not all apply).

- 4Q1T
- CBWFQ
- cRTP
- CAR
- DWPO
- MLP with LFI
- QoS policy propagation via BGP
- WRED



Answer:



QUESTION 256:

DRAG DROP

Match the definition on the left to the term that describes the major aspect of Cisco AutoQoS successful deployment.

Select from these

Leverages intelligent classification on routers, utilizing Cisco NBAR to provide deep and stateful packet inspection

Determines WAN settings for fragmentation, compression, encapsulation, and Frame Relay ATM inter-working

Prioritizes voice traffic without affecting other network traffic while still offering the flexibility to adjust QoS setting for unique network requirements

Provides visibility into the classes of service deployed via system logging and SNMP traps

Provides seamless interoperability between all of the QoS features and parameters across the network topology including LAN, MAN, and WAN

Place here

Consistency

Place here

Monitoring and Reporting

Place here

Configuration

Place here

Policy Generation

Place here

Application Classification

Place here

Answer:

Place here

Consistency	Provides seamless interoperability between all of the QoS features and parameters across the network topology including LAN, MAN, and WAN
Monitoring and Reporting	Provides visibility into the classes of service deployed via system logging and SNMP taps.
Configuration	Prioritizes voice traffic without affecting other network traffic while still offering the flexibility to adjust QoS setting for unique network requirements.
Policy Generation	Determines WAN settings for fragmentation, compression, encapsulation, and Frame Relay-ATM inter-working
Application Classification	Leverages intelligent classification on routers, utilizing Cisco NBAR to provide deep and stateful packet inspection

QUESTION 257:

DRAG DROP

Exhibit:

Match the characteristic on the left to the type of CUE module it best describes on the right.

642-143

Use flash memory for storing voice mail and configs

User hard disk for storing voice mail and configs

Can run 4 or 6 sessions(host hardware-dependent)

Can run 8 or 16 sessions(host hardware-dependent)

12, 25, 50, or 100 mailboxes

12, 25, or 50 mailboxes

Storage device is FRU

Storage device must be returned for repair

NM-CUE and NM-CUE-EC

NM-AIM

Answer:

NM-CUE and NM-CUE-EC

Use hard disk for strong voice mail and configs

Can run 8 or 16 sessions(hardware-dependent)

12, 25, 50, or 100 mailboxes

Storage device must be returned for repair

NM-AIM

Use flash memory for storing voice mail and configs

Can run 4 or 6 sessions(host hardware-dependent)

12, 25, or 50 mailboxes

Storage device is RRU

QUESTION 258:

DRAG DROP

Exhibit:

Match the configuration steps on the left into the order they occur during initial configuration of CUE on the right.

642-143

Enter Ip address of NTP server	First
Select region	Second
Set the hostname of the CUE module	Third
Select time zone	Fourth
Confirm configuration	Fifth
Choose t ignore previous configuration	Sixth
Set username and password of default administrator	Seventh

Answer:

Choose t ignore previous configuration
Set the hostname of the CUE module
Enter Ip address of NTP server
Select region
Select time zone
Set username and password of default administrator
Confirm configuration

QUESTION 259:

DRAG DROP

Exhibit:

Match the definition on the left to the QoS action on the right that it best describes.(Not all apply)

Differentiate between packets on priority

Set bits inside a data-link or network layer header, with the goal of letting QoS tools of other devices classify based on the bit values

Determine the order in which packets are transmitted out an interface based on priorities assigned to those packets.

Bandwidth allocated proportionally for each different class of traffic, allowing you to mark the number of the bytes or packets to be dropped from the queue.

Packets belonging to one priority class of traffic are transmitted before all higher priority traffic to ensure timely delivery of those packets.

Place here

Classification	<i>Place here</i>
Marking	<i>Place here</i>
Congestion Management	<i>Place here</i>

Answer:

Differentiate between packets on priority

QoS

Bandwidth allocated proportionally for each different class of traffic, allowing you to mark the number of the bytes or packets to be dropped from the queue.

QoS

Place here

Classification

Set bits inside a data-link or network layer header, with the goal of letting QoS tools of other devices classify based on the bit values

Marking

Packets belonging to one priority class of traffic are transmitted before all higher priority traffic to ensure timely delivery of those packets.

Congestion Management

Determine the order in which packets are transmitted out an interface based on priorities assigned to those packets.