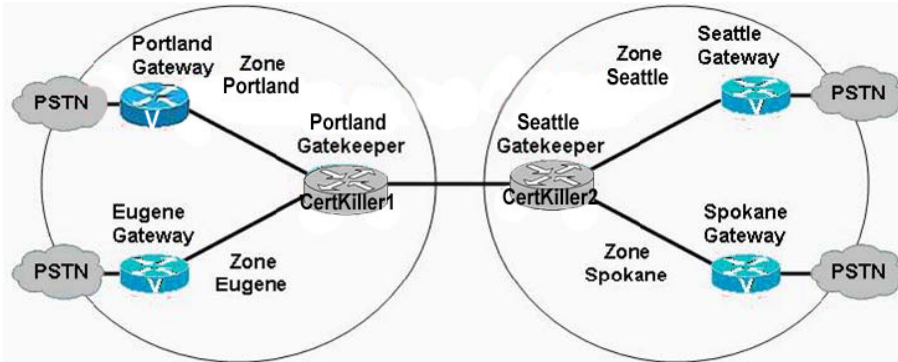**Exam :   642-481**

Title   :   Cisco Rich Media Communications

Ver   :   10.24.07

QUESTION 1:

Exhibit:

The network has two gatekeepers that control four zones. Which command is used to ensure that the aggregate bandwidth between zones that are controlled by the Portland Gatekeeper and the Seattle Gatekeeper is limited to 100,000 kbps?

A. bandwidth interzone 166667
B. bandwidth remote 166667
C. bandwidth session 166667
D. bandwidth region 166667
E. bandwidth zone 166667

Answer: B

QUESTION 2:

Certkiller .com has a single Cisco IPVC 3511 MCU E. At present there are two conferences occurring as follows:
Conference 1:three conference participantstransrating 768 kbps to 384 kbpsenhanced continuous presence
Conference 2:three conference participantstransrating 768 kbps to 384 kbpsmultiple conference view (3)A third conference is desired with the following requirements:
Conference 3:three conference participants
What will occur when the third conference is attempted?

A. The third conference will succeed as desired.
B. The third conference will succeed, but without the enhanced continuous presence.
C. The third conference will fail because an IPVC 3511 MCU does not have the resources for three conferences of three people each.
D. The third conference will fail because the EMP module does not have the resources to provide the number of required services.

Answer: A

QUESTION 3:

Exhibit:
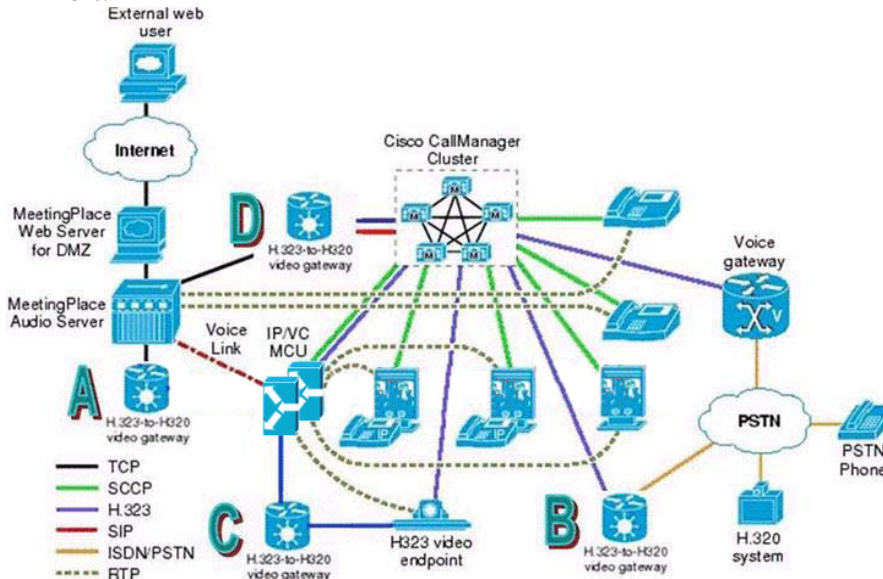
CertKiller.com is using Cisco meeting place at its world headquarters;CertKiller.com also has a Cisco CallManager cluster. The Cisco CallManager cluster includes a video deployment with both SCCP and H.323 video endpoints. The videoconferencing capability is provided by a Cisco IPVC 3540 Series Videoconferencing System. Using the topology in the exhibit, what should be the video gateway location?

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

Answer: B

QUESTION 4:

Certkiller .com is deploying Cisco VT Advantage to enable executives to participate in video calls with customers and suppliers. Which two devices can be used to allow these external calls to be placed over a dedicated PRI? (Choose two.)

A. Cisco IPVC 3521
B. Cisco IPVC 3526
C. Cisco IPVC 3540
D. Cisco Multiservice IP-to-IP Gateway
E. Cisc MCM proxy

Answer: B,C

QUESTION 5:

Exhibit:
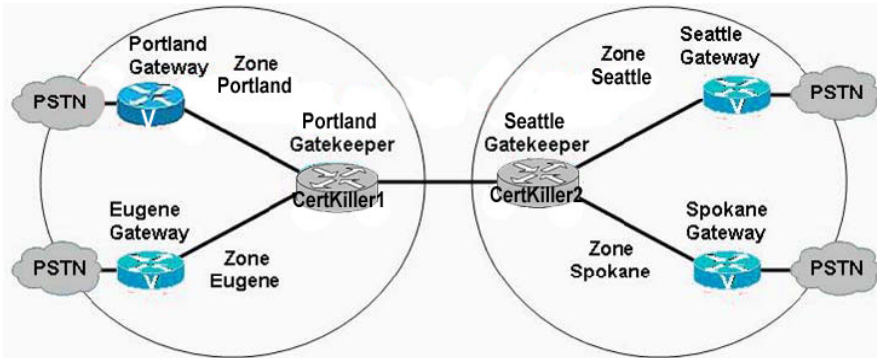
A network has two gatekeepers that control four zones. Which command is used to ensure that the aggregate bandwidth between the Seattle and Spokane zones is limited to 100,000 kbps?

A. bandwidth interzone 166667
B. bandwidth remote 166667
C. bandwidth session 166667
D. bandwidth region 166667
E. bandwidth zone 166667

Answer: A

QUESTION 6:

Exhibit:
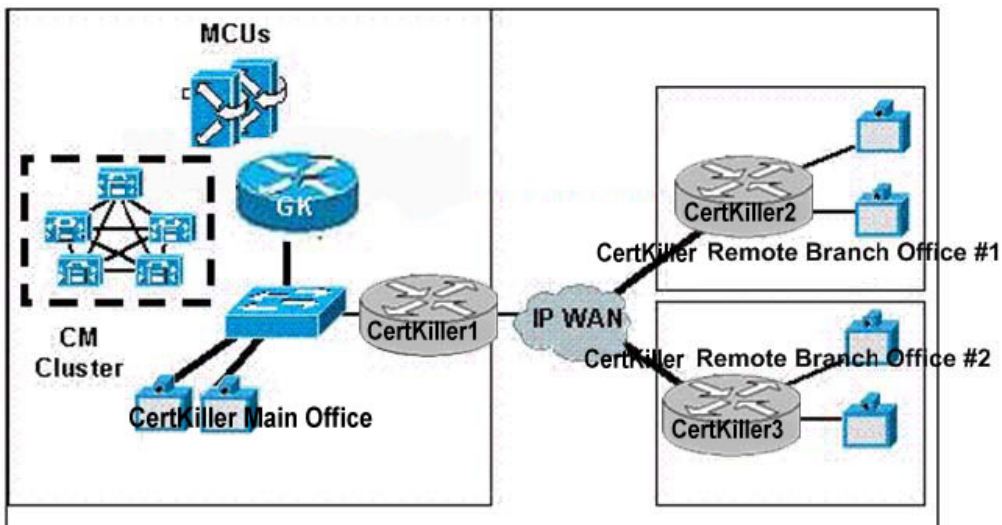
CAC is being configured for the centralized call-processing video telephony network. Each video terminal is capable of a maximum data rate of 320 kbps, and two video terminals are planned for each site. The requirement is to make two simultaneous video calls between the Certkiller main office and each remote Certkiller branch office site. The

audio codec will be G.711. In order to ensure quality of service for calls, which action should be taken when configuring Cisco CallManager?

A. Set the location video call bandwidth between the central site and each remote site to 922 kbps.
B. Set the location video call bandwidth between the central site and each remote site to 384 kbps.
C. Set the location video call bandwidth between the central site and each remote site to 768 kbps.
D. Configure the gatekeeper to set the req-qos guaranteed-delay video bandwidth at 922 kbps between the central site and each remote site.
E. Configure the gatekeeper to set the req-qos guaranteed-delay video bandwidth at 384 kbps between the central site and each remote site.
F. Configure the gatekeeper to set the req-qos guaranteed-delay video bandwidth at 768 kbps between the central site and each remote site.

Answer: C

QUESTION 7:

Certkiller .com has a requirement for up to 10 simultaneous conferences of four people each and each conference requires 384-kbps to 128-kbps transrating and H.261 to H.263 video transcoding. What should this company purchase?

A. One Cisco IPVC 3540 Transcoder module for MC064
B. One Cisco IPVC 3540 Transcoder module for MC0664 with an EMP blade
C. One Cisco IPVC 3540 Transcoder Module for MC064 with an EMP3 blade
D. Two Cisco IPVC Transcoder Modules for MC064
E. two Cisco IPVC 3540 Transcoder Modules for MC06A, each with an EMP blade
F. two Cisco IPVC 3540 Transcoder Modules for MC06A, each with an EMP3 blade

Answer: C

QUESTION 8:

Which three factors must be considered when designing a H.323 videoconferencing dial plan? (Choose three.)

A. the number of sites in the enterprise
B. the number and location of gatekeepers
C. the incoming PSTN call routing method
D. the DNs and location of conferencing MCUs to be deployed
E. the videoconferencing features and applications to be deployed
F. the location of voice gateways

Answer: A,C,D

QUESTION 9:

Exhibit:
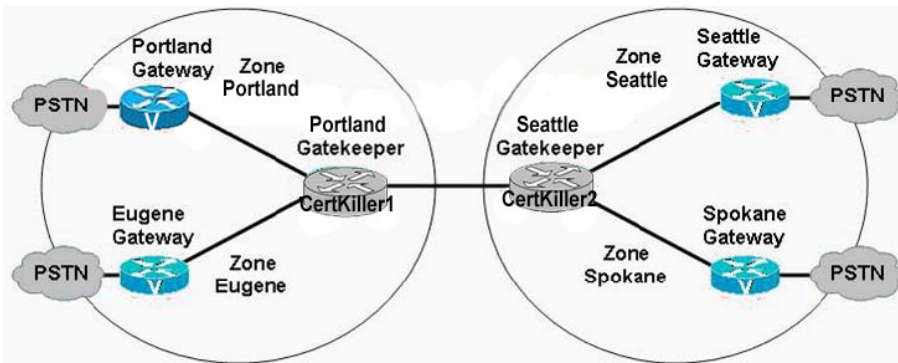
The network has two gatekeepers that control four zones. Which command is used to ensure that no single call in Zone Eugene uses more than 768 kbps?

A. bandwidth interzone 768
B. bandwidth limit 768
C. bandwidth session 768
D. bandwidth call 768
E. bandwidth zone 768

Answer: C

QUESTION 10:

What is traditionally used in a H.323 gatekeeper to pool endpoints into groups?

A. zones
B. clusters
C. calling search spaces
D. toll bypass routing

Answer: A

QUESTION 11:

Certkiller .com has a small group of users who do interactive video teaching from H.323 endpoints to H.320 videoconferencing systems. What should you do so that incoming calls can reach endpoints that are associated with a specific E.164 address?

A. Deploy an IPCC server and configure an IVR to act as a front end to the MCU.
B. Enable the DID capability that is built into the gateway.
C. Deploy the Cisco IP IVR.
D. Configure the DID in the Cisco CallManager.

Answer: B

QUESTION 12:

Certkiller .com would like to provide customized voice prompts for users who are dialing into videoconferences. Which component should be used to support customized voice prompts?

A. Cisco CallManager
B. the IVR built into the gateway
C. the IVR built into the video gateway
D. Cisco peripheral gateway
E. the built-in IVR of the MCU

Answer: E

Explanation:
A 3500 MCU is acting as gateway (IPVC 3521, 3526 or 3540 with gateway module called MCU gateway) than answer E is correct, but answer C seems to me also a correct answer as we are talking here about a video gateway device with built in IVR.

QUESTION 13:

A new site is being planned with video terminals that support a maximum data rate of 768 kbps each. A DS-3 link with 45 Mbps is available for the site. Based on Cisco guidelines, how many video terminals can be placed at this site, considering that no Call Admission Control is available?

A. 2
B. 4
C. 8
D. 16
E. 32
F. 64

Answer: D

QUESTION 14:

When routing to both audio and video devices, with which device does Cisco recommend enabling AAR?

A. Tandberg SCCP endpoint
B. H.323 client
C. IP phone

D. Cisco VT Advantage

Answer: C

QUESTION 15:

How is a H.323 MCU defined in Cisco CallManager so that H.323 endpoints can communicate with endpoints that are controlled by Cisco CallManager?

A. as a H.320 gateway
B. as a H.323 gateway
C. as a gatekeeper-controlled H.225 trunk
D. as a gatekeeper-controlled intercluster trunk

Answer: B

Explanation:
H.323 calls from Cisco Callmanager to the MCU do not necessarily have to go through the gatekeeper. The MCU can be configured directly in the Cisco CallManager as an H.323 gateway device. This is only applicable in an all-SCCP network or where all of the H.323 endpoints are also registered directly with the Cisco CallManager.
So B is the correct answer.

QUESTION 16:

Which device manages a H.323 zone that is composed of terminals, gateways, and MCUs?

A. Media Termination Point
B. Cisco IOS Gateway
C. gatekeeper
D. firewall
E. proxy

Answer: C

QUESTION 17:

Certkiller .com has deployed a centralized call-processing model in the organization. The customer would now like to deploy a Cisco VT Advantage camera on each IP phone to facilitate video calls and videoconferences. The customer has deployed a gatekeeper to provide Call Admission Control for the IP WAN. If the customer adds an MCU to each site, how will this impact the manner in which the media resource groups are configured in the Cisco CallManager cluster?

A. There will not be any impact to the MRGs; only the order in which the MRGs are

chosen in the MRGL will be impacted.
B. There will be separate MRGLs for IP phones and Cisco VT Advantage cameras, but each MRGL will use the same MRG to provide DSP support.
C. Each Cisco VT Advantage camera will have a separate MRGL assigned to it, and this list will use an MRG that has dedicated resources for that specific type of device.
D. Each device will be assigned an MRGL that will include an ordered list of all the MRGs available.

Answer: D

QUESTION 18:

You have Certkiller .com that has a legacy H.320 videoconferencing system. The customer recently migrated to a converged network for voice and data, and would now like to include video. New ISDN gateways have been deployed to connect the legacy H.320 systems to the IP network. How should the Cisco CallManager cluster be configured so that the gatekeeper can provide Call Admission Control and resolve E.164 addresses?

A. E.164 addresses will be managed by the Cisco CallManager cluster, and the gatekeeper will manage the CAC for the LAN and WAN.
B. An intercluster trunk will be configured from the Cisco CallManager cluster to each of the new video gateways, and E.164 addressing and CAC will be managed by the gatekeeper.
C. Each new gateway will be included in the Cisco CallManager configuration through an MRG and an MRGL, and use locations-based CAC.
D. A H.225 trunk will be configured between the gatekeeper and the Cisco CallManager cluster;the gatekeeper will resolve the E.164 addresses and manage CAC for the IP WAN.

Answer: D

QUESTION 19:

Certkiller .com is interested in deploying Cisco VT Advantage cameras along with H.323 video room systems at the facility. How should MRGs be configured to support IP phones, Cisco VT Advantage cameras, and H.323 video room systems with Cisco IPVC 3511 Multipoint Control Units?

A. One MRG would be required to support the IP phones, Cisco VT Advantage cameras, and H.323 video room systems.
B. Two MRGs would be required, one to support IP phones, and one to support Cisco VT Advantage cameras and H.323 video room systems.
C. Three MRGs would be required, one to support IP phones, one to support Cisco VT Advantage cameras, and one to support the H.323 video room systems.
D. Four MRGs would be required, one to support conferencing and transcoding

resources, one to support IP phones, one to support Cisco VT Advantage cameras, and one to support H.323 video room systems.

Answer: B

QUESTION 20:

Certkiller .com has a conferencing network that is used by only H.323 endpoints. Certkiller .com wants the ability to include SIP endpoints in conferences. What needs to be done to allow SIP and H.323 endpoints in the same conferences?

A. Cluster H.323 MCUs with SIP MCUs.
B. Segment the MCU ports as either H.323 or SIP ports.
C. Configure the MCU to register with a gatekeeper and SIP proxy servers, and configure the SIP protocol parameters.
D. Supply the SIP endpoint users with H.323 terminals. Conferences with both H.323 and SIP endpoints are not supported.

Answer: C

QUESTION 21:

Certkiller .com has its corporate HQ in Seattle, with remote sales offices in Denver, Chicago, New York, and Atlanta. Certkiller .com is in the process of transitioning the H.320 videoconferencing system to an IP videoconferencing system. Certkiller .com has installed an MCU at the corporate HQ, but the remote offices still have H.320 terminal endpoints. A Cisco IPVC 3526 PRI Videoconferencing Gateway has been installed to allow the remote offices to dial into videoconferences. The telephony provider has given Certkiller .com one phone number for the PRI, which can route to all the channels on the PRI. Which two methods are best for routing calls from the gateway to the MCU for conferences? (Choose two.)

A. DID
B. IVR
C. TCS4
D. Default Extension

Answer: B,C

QUESTION 22:

Which parameters represent the recommended Layer 3 QoS settings for videoconferencing traffic?
A.IP precedence 5 ;PHB AF41;DSCP 33
B.IP precedence 4 ;PHB AF31;DSCP 34
C.IP precedence 4 ;PHB AF41;DSCP 33

D.IP precedence 4 ;PHB AF41;DSCP 34
E.IP precedence 5 ;PHB AF31;DSCP 34

Answer: D

QUESTION 23:

How should a gatekeeper, the Cisco CallManager, and an IP-videoconferencing MCU be configured so that calls can be properly routed when an MCU dials out to the E.164 address of an endpoint?

A. The MCU must register with the Cisco CallManager as an alternate gatekeeper.
B. The MCU must register with the gatekeeper, and the Cisco CallManager must register with the MCU with a H.225 trunk.
C. The MCU must register with a H.225 gatekeeper-controlled trunk to the gatekeeper, and the Cisco CallManager must be registered with the gatekeeper.
D. The MCU must register with the gatekeeper, and the Cisco CallManager must register to the gatekeeper with a H.225 gatekeeper-controlled trunk.

Answer: D

QUESTION 24:

A large enterprise solution uses a pair of gatekeepers for Call Admission Control. Each gatekeeper has multiple zones that are associated with it. Each zone has both voice and video gateways. The video gateways support both H.320 and H.323 video room systems. The customer requires the gatekeeper to provide video Call Admission Control and to facilitate video call routing to each type of video gateway. What should you do to meet these requirements?

A. Assign a separate intrasite access code for each type of video endpoint.
B. Assign a translation pattern that support only H.320 to H.320, and a different pattern for H.323 to H.323 calls.
C. Assign each site a service prefix that will allow the gatekeeper to provide the appropriate Call Admission Control and call routing.
D. Assign technology prefixes to each type of gateway so that the gatekeepers can provide the appropriate Call Admission Control and call routing to each call type.

Answer: D

QUESTION 25:

You are working with a university that delivers customized training to the K-12 schools in the state through a videoconferencing solution. The state has contracted with a local service provider for an MPLS-based IP WAN that connects all the universities and K-12 school systems in the state. The university needs now to provide a solution that will

request a specified level of throughput from the IP WAN via RSVP. Which device should the university investigate for this purpose?

A. IP-to-IP gateway
B. MCU
C. Cisco MCM
D. EMP
E. EMP3

Answer: A

QUESTION 26:

Certkiller .com recently implemented a H.323 videoconferencing solution, and wishes to conduct videoconferences with the main supplier over the extranet using the existing four-digit numbering plan at each company. Due to overlapping dial plans, the called digits must be manipulated to allow the video calls to be completed. Which solution can support this?

A. H.323 proxy
B. gatekeeper
C. directory gatekeeper
D. IP-to-IP gateway

Answer: D

QUESTION 27:

A startup company is designing a converged network, which will include video telephony and H.323 videoconferencing. Which two are key elements of the videoconferencing dial-plan design? (Choose two.)

A. Cisco CallManager trunks
B. zone prefixes
C. gateway service prefixes
D. gatekeeper service prefixes

Answer: B,C

QUESTION 28:

An IP videoconferencing network is being configured. What represents the recommended IP precedence settings for the network?
A.voice=5;video=4;call/control=3
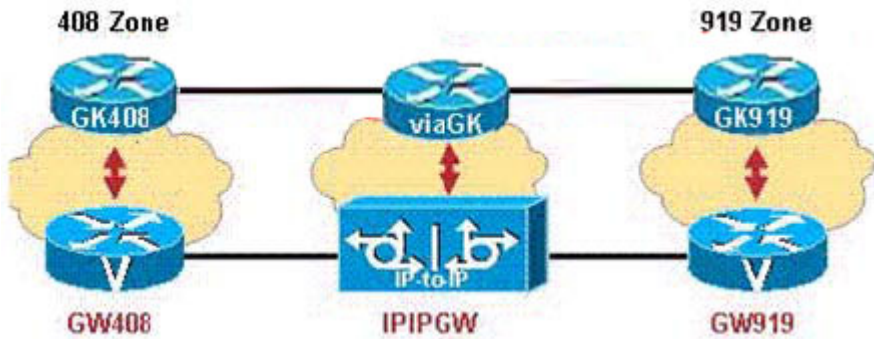B.voice and video=5;call/control=4
C.voice and video=5;call/control=3

D.voice=5;video and call/control=4
E.voice=5;video=3;call/control=3

Answer: A

QUESTION 29:

Exhibit:

A network is being designed for IP videoconferencing using IP-to-IP gateways and gatekeepers. A videoconferencing call is being placed from prefix 408 to prefix 919. On which device should the following command be entered to set the DSCP of packets for the call to 34 if the RSVP reservation is successful? Router(config-dial-peer)# ip qos dscp 34 video rsvp-pass

A. GK408
B. viaGK
C. GK919
D. GW408
E. IPIPGW
F. GW919

Answer: E

QUESTION 30:

Which Call Admission Control methodology would be used for a centralized call-processing deployment with Cisco CallManager?

A. locations
B. zones
C. areas
D. regions
E. via-zones

Answer: A

QUESTION 31:

User Certkiller 1 and User Certkiller 2 are in a video call using Cisco VT Advantage. The call was set up via the local Cisco CallManager. User Certkiller 1 and User Certkiller 2 determine that they need to add User C to the call. User Certkiller 1 attempts to conference in User C, but there are no more SCCP ports available on the MCU. What will be the outcome of the conference attempt?

A. The conference will proceed with audio and video using available H.323 ports on the MCU.
B. The conference will proceed, but only audio will be available.
C. The conference will fail, but the video call between User Certkiller 1 and User Certkiller 2 will proceed.
D.The conference will fail;user CertKiller 1 and user CertKiller 2 willbe disconnected.

Answer: B

QUESTION 32:

Exhibit:

A network is being designed for IP videoconferencing using IP-to-IP gateways and gatekeepers. In order for a call to successfully complete from a prefix 408 number to a prefix 919 number, on which device must the following command be implemented? zone local GK408 usa 10.16.8.123

A. GK408
B. viaGK
C. GK919
D. GW408
E. IPIPGW
F. GW919

Answer: A

QUESTION 33:

Certkiller .com is planning to install an IP videoconferencing system. One vendor needs to

participate in weekly videoconferences using a H.320 video endpoint at a rate of less than or equal to 512 kbps. All other conference participants are internal staff. Which product should Certkiller .com install to allow the remote vendor to join into the weekly conference?

A. Cisco IPVC 3511 Multipoint Control Unit
B. Cisco IPVC 3521 BRI Videoconferencing Gateway
C. Cisco IPVC 3526 PRI Videoconferencing Gateway
D. Cisco IPVC 3540 Series Videoconferencing System
E. Cisco IPVC 3544 Chassis

Answer: B

QUESTION 34:

Certkiller .com needs to integrate H.323 videoconferencing devices. The gatekeeper that is used must be dedicated to this purpose. What is the term that is used to describe this particular gatekeeper functionality?

A. Cisco IOS Multiservice Gateway
B. Cisco via-zone gatekeeper
C. Cisco Multimedia Conference Manager Gatekeeper
D. intercluster trunk gatekeeper

Answer: C

QUESTION 35:

Certkiller .com wants to simultaneously support H.323 conferences with an aggregate of 20 active participants, and SCCP videoconferences with an aggregate of 30 active participants. All video sessions will use voice-activated switching. Which device should be deployed to support this?

A. Cisco IPVC 3511 Multipoint Control Unit
B. Cisco IPVC 3511 MCU E
C. Cisco IPVC 3540-03A with EMP
D. Cisco IPVC 3540 Transcoder Module
E. Cisco IPVC 3540-10A with EMP

Answer: E

QUESTION 36:

Which device allows a H.323 video endpoint to establish a conference with a videoconferencing system that is connected to the PSTN?

A. H.225 gateway
B. H.320 gateway
C. H.323 proxy
D. HD gateway

Answer: B

QUESTION 37:

Certkiller .com has deployed a Cisco IPVC 3511 MCU E . Which three features will
be available? (Choose three.)

A. Connection to H.320 systems using up to four BRIs
B. Conection to H.320 Systems using up to two PRIs
C. Audio Transcoding
D. Conferencing up to 15 voice-activated sessions
E. Conference up to 15 continuous presence sessions

Answer: C,D,E

QUESTION 38:

Which method of call routing would require a user to press the correct line on the phone
when making a video call?

A. Assign at least two different directory numbers on each video-enabled device in the
Cisco CallManager cluster, with one line for audio and another line for video. The two
lines can then be placed in different partitions and given different calling search spaces.
Assign multiple access codes to both voice and video calls.
B. Assign at least two different directory numbers on each video-enabled device in the
Cisco CallManager cluster, with one line for audio and another line for video. The two
lines can then be placed in different partitions and given different calling search spaces.
C. Assign one directory number to each video-enabled device in the Cisco CallManager
cluster, with each line placed in different partitions and given different calling search
spaces.
D. Assign multiple access codes to both voice and video calls.

Answer: B

QUESTION 39:

Which two statements accurately describe the EMP? (Choose two.)

A. It increases the number of voice-activated sessions that are supported.
B. It increases the number of continuous presence layouts.
C. It increases the number of audio-only conference sessions that are supported.

D. It allows the MCU to perform rate matching.
E. It is required for simultaneous support for H.323 and SCCP continuous presence sessions.

Answer: B,E

QUESTION 40:

Certkiller .com has deployed a combination of Cisco VT Advantage cameras and H.323 video room systems. The Cisco VT Advantage camera users are complaining that many conferences are setting up as audio only. Which configuration parameter needs to be changed to resolve this videoconference issue?

A. The MRGL that is assigned to the device pool for only IP phones should not include the video MCU.
B. The MRGL that is assigned to the H.323 video room systems should use the same MRGL as the IP phones, but have the MCU as the first resource.
C. The MRGL that is assigned to the H.323 video room system should use an empty capabilities set.
D. The MRGL that is assigned to the IP phone should include the empty capabilities set.

Answer: A

QUESTION 41:

Laurens and Tilghman GeneralCom is implementing a Cisco IP Videoconferencing solution that includes a Cisco CallManager and a Cisco IOS Gatekeeper. The customer uses H.323 and H.320 devices exclusively. Video calls will will RTP streams for audio, video and far-end camera control and a sequence of call control signaling messages. The customer is using the Alt-GK feature to protect the video telephony service from component failures. The customer is concerned that some of the existing H.323 devices may not support Alt-Gk. What is the most cost-effective solution that will provide the resilience that the customer desires without upgrading or replacing the existing H.323 devices?

A. Use Hot Standby Router Protocol
B. Use the Gateway as a backup gatekeeper
C. All H.323 Devices support Alt-GK
D. Cisco CallManager Provides the backup gatekeeper function in conjunction with the existing video gateway.

Answer: A

QUESTION 42:
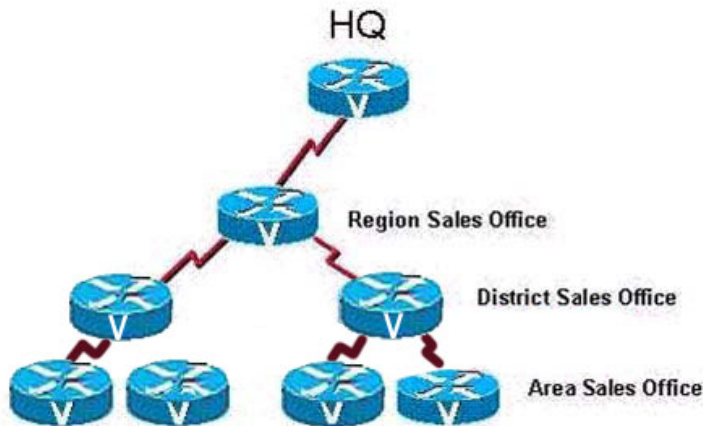
Which call would most likely require an audio transcoder?

A. 128-kbps ISDN call to MCU
B. 128-kbps H.323 call to MCU
C. 128-kbps ISDN call to H.323 endpoint
D. 384-kbps ISDN call to H.323 endpoint
E. 384-kbps H.323 call to MCU

Answer: A

QUESTION 43:

Exhibit:

Certkiller .com is interested in using videoconferencing to link offices for regional, district, and area sales meetings. Certkiller .com currently uses IP telephony and has an IP WAN linking all the remote offices. The customer is concerned that a large number of videoconferences may use too much bandwidth, impacting the ability of other users to accomplish work on the network. How should MCUs be configured to support this customer and minimize bandwidth consumption?

A. a single-level conference with a centralized MCU at headquarters and cascaded media processors at each regional location
B. a two-level conference with a centralized MCU media processor at headquarters and cascaded media processors at each regional location
C. a single-level conference with a centralized media processor at headquarters and cascaded media processors at each regional location
D. a two-level conference with an MCU at headquarters and cascaded MCUs at each regional location

Answer: D

QUESTION 44:

How many streams are required to each participant from the MCU with EMP support, if it is providing the services to transrate from 768 kbps to 384 kbps and to provide

continuous presence with text overlay?

A. one
B. two
C. three
D. four

Answer: B

QUESTION 45:

Certkiller .com is implementing a Cisco IP Videoconferencing solution that includes a Cisco CallManager and a Cisco IOS Gatekeeper. Certkiller .com uses H.323 and H.320 devices exclusively. Video calls will use RTP streams for audio, video, and far-end camera control and a sequence of call control signaling messages.What is the best way for bearer traffic to be handled?

A. by Cisco CallManager and routed to the endpoints
B. by Cisco CallManager and routed by the endpoints
C. not by Cisco CallManager but routed directly between endpoints
D. not by Cisco CallManager but routed by the gateway under IOS Gatekeeper control

Answer: C

QUESTION 46:

Which feature automatically switches between a range of video layouts according to the number of participants joining or leaving a conference?

A. continuous presence
B. dynamic presence
C. dynamic layout
D. rate matching
E. automatic down-speeding

Answer: C

QUESTION 47:

Certkiller .com is implementing a Cisco IP Videoconferencing solution that includes a Cisco CallManager and a Cisco IOS Gatekeeper. The customer uses H.323 and H.320 devices exclusively. Video calls will use RTP streams for audio, video, and far-end camera control and a sequence of call control signaling messages. What handles negotiation of the video codec (H.261, H.263), resolution, frame rate, and H.323 annexes?

A. intercluster trunks
B. Cisco CallManager
C. Cisco MCM Gatekeeper
D. Cisco IOS Alternate Gatekeeper
E. video endpoints

Answer: B

QUESTION 48:

Certkiller .com is a large enterprise with many office sites. Certkiller .com is planning to add IP videoconferencing to the existing IP telephony network. It has been determined that an MCU will be placed in each site. External participants in videoconferences will dial in using DID to reach the conference MCUs. Internal participants will dial the proper extension numbers for conferences. What does Cisco recommend for the videoconferencing gateway placement and the IP-videoconferencing dial plan?

A. a single videoconferencing gateway with a single zone prefix for all MCUs
B. a single videoconferencing gateway, with the MCUs at each site having a separate zone prefix that is independent of the area code
C. a videoconferencing gateway in every site, with an MCU zone prefix for each site that is independent of the area code
D. a videoconferencing gateway in every site, and the MCU zone prefixes matching the local area code
E. a videoconferencing gateway in every site, and all the MCUs placed in a single zone prefix

Answer: D

QUESTION 49:

In which order does a H.323 client send H.225 setup messages to the servers in a Cisco CallManager cluster?

A. The H.323 client will request a route to a destination from the gatekeeper, and the gatekeeper will send the call to the Cisco CallManager server that is configured with the highest priority.
B. The H.323 client will send H.225 messages to the primary, secondary, and tertiary Servers in the Cisco callmanager group in sequential order;the first server that responds will handle the call.
C. The H.323 client will send the H.225 setup message to a different server in the cluster for each call, to facilitate load balancing and redundancy.
D. The H.323 client will send H.225 setup messages to the terminating H.323 endpoint to set up the call.

Answer: A

QUESTION 50:

The Greene oat Company has a central site that is connected to a branch office via a
1.544 Mbps T1 Frame relay circuit. The branch office has 20 video-enabled users in
it. Least cost routing is used. It is required that all 20 users are able to use video
services simultaneously for internal calls. Which solution best meets this objective?

A. Route Video calls up to the central site in order to save on toll charges
B. Upgrade the 1.544mbps T1 circuit to higher bandwidth
C. Deploy an IP-videoconferencing video gateway at the branch office and not bother
with LCR
D. User the retry video all as Audio feature to reroute call as voice-only calls if they
exceed the available bandwidth

Answer: B

QUESTION 51:

In order for Cisco IP/VC 3500 Series MCU to register with a gatekeeper, which two
parameters must be checked? (Choose two.)

A. RAS registration with video gateway
B. registration method, use multicast or specify IP address and port number
C. registration of gateway name and domain name
D. set TTL in gateway

Answer: B,D

QUESTION 52:

When a H.323 device queries a gatekeeper for a route to a destination E.164 address, to
which Cisco CallManager server in a cluster does the gatekeeper send the call?

A. The gatekeeper will use the Cisco CallManager server that is configured with the
highest priority.
B. The gatekeeper will send the call to all the active Cisco CallManager servers in the
cluster.
C. The gatekeeper will randomly distribute the calls to the Cisco CallManager servers
that are defined in the Cisco CallManager group that the trunk will use.
D. The gatekeeper will use the gateway that is configured with the preference of 0 in the
gw-priority command.

Answer: A

QUESTION 53:

Certkiller .com currently has a room-based videoconferencing system that is connected to the PSTN via three BRIs. Certkiller .com is converting to H.323 and would like to continue using the BRIs to make video calls to the suppliers. Which device should the company deploy?

A. Cisco IPVC 3511
B. Cisco IPVC 3521
C. Cisco IPVC 3526
D. Cisco IPVC 3540

Answer: B

QUESTION 54:

How should the IP-to-IP gateway be configured to support video codecs across all dial peers?

A. Use the codec transparency enable command under the voice class codec in the Cisco Multiservice IP-to-IP Gateway.
B. Configure codec class transparent in the gateway configuration page in Cisco CallManager.
C. Use the codec preference command under the voice class codec in the Cisco Multiservice IP-to-IP Gateway.
D. Use the codec command to configure codec transparency for the Cisco Multiservice IP-to-IP Gateway.

Answer: C

QUESTION 55:

The Acme Jet Boats Company is installing an IP Videoconferencing system in the corporate office. Users need the ability to dial out to external H.320 videoconferences. The company is installing a videoconferencing gateway but is concerned that outside callers may be able to dial the gateway and then hairpin back out to the PSTN. What does Cisco recommended to ensure that this can't happen?

A. Set up the gatekeeper to allow only outgoing calls that originate internally
B. Configure the Cisco CallManager sot that the gateway terminates hairpinned calls
C. Configure the gateway to allow only outgoing calls that originate internally
D. Use the "#" digit in the service prefix so that hairpinned call attempts will fail

Answer: D

QUESTION 56:

How are the voice and web system parameter floater Ports used in Cisco Unified MeetingPlace Express?

A. Can Allow the total system ports to be overbooked by this percentage that is 25 percent
B. Are used for unexpected attendee needs and are taken out of the available scheduled ports pool
C. Are used by Guest Attendees only
D. Are only used by Cisco Unified MeetingPlace Express that are configured for all reservation less use (no scheduled meetings)

Answer: B

QUESTION 57:

Which Cisco Unified MeetingPlace Express method can be used to set up a scheduled meeting?

A. Cisco IP Pone user interface
B. Standard Touch-tone phone
C. Web
D. E-mail

Answer: C

QUESTION 58:

When deploying a Cisco Unified MeetingPlace Express system in a centralized Cisco Unified CallManager with SRST sites using G.729A codecs, what must be provided for the System to connect successfully?

A. Must use DSP transcoding from G.729a to G.722
B. Must use DSP transcoding from G.729a to G.711
C. Must use DSP recoding from G.729a to G.729b
D. Must use DSP transcoding from G.729a to G.728
E. Must use voice gateways to translate from TDM signaling to IP H.232/SCCP signaling

Answer: B

QUESTION 59:

Bob's Bicycle currently has a room-based videoconferencing system that is connected to the PSTN via three BRIs. The company is converting to H.323 and would like to continue using the BRIs to make video calls to the suppliers. Which

device should the company deoply?

A. Cisco IPVC 3511
B. Cisco IPVC 3521
C. Cisco IPVC 3526
D. Cisco IPBVC 3540

Answer: B

QUESTION 60:

One of your customers, a military contractor is very concerned about security. The customer needs to be able to provide videoconferencing for H.323 endpoints across the IP telephony network, however the customer must be able to hide the IP Addresses of the H.323 endpoints in the video network. Which three technologies allow the customer to provide these functions? (Choose three.)

A. A proxy server and a firewall
B. DNS/WINS
C. An IP-to-IP Gateway
D. A directory Gatekeeper
E. IPCC
F. A Cisco MCM Proxy

Answer: A,C,F

QUESTION 61:

The Acme Snowboards Company is planning to install an IP videoconferencing system. Up to 10 vendors need to participate in weekly videoconferences using H.320 video endpoints at 128 kbps. All other conference participants will be internal staff using the IP videoconferencing system. Which two products should the company install to allow the remote vendors to join into the weekly conference? (Choose two.)

A. Cisco IPVC 3511 Multiplepoint Control Unit
B. Cisco IPVC 3521 BRI Videoconferencing Gateway
C. Cisco IPVC 3526 Videoconferencing gateway
D. Cisco IPVC 3544 Chassis

Answer: A,C

QUESTION 62:

What information should be provided when Cisco Unified MeetingPlace Express customers have technical issues that require assistance from the Cisco TAC?

A. MAC Address of two NICs of their Cisco MCS 7800 Series
B. Infocapture report
C. All SNMP traps from times of issue
D. Status Report
E. Screen Capture of the In-Session Monitoring Report
F. Port Utilization Report

Answer: B

QUESTION 63:

Exhibit:

Conference 1:
three conference participants
transrating 768 kbps to 384 kbps
enhanced continuous mesence

Conference 2:
three conference participants
transrating 768 kbps to 384 kbps
multiple conference view (3)

A third conference is desired with the following requirements:

Conference 3:
three conference participants

Certkiller has a Single IPVC 3511 MCU E. At present there are two conference
occurring as follows. Please refer to the exhibit.
What will occur when the third conference is attempted?

A. The third conference will succeed as desired
B. The third conference will succeed, but without the enhanced continuous presence
C. The third conference will fail because an IPVC 3511 MCU does not have the
resources for three conferences of three people each
D. The third conference will fail because the EMP module does not have the resources to
provide the number of required services

Answer: A

QUESTION 64:

Which three capabilities are associated with the Cisco Unified MeetingPlace

Express "Lite" web meeting room? (Choose three.)

A. Mute or adjust the volume for yourself or other participants
B. Use Chat and Note pods
C. Start and Stop recording and recording status indicator
D. Annotate a transparent overlay on the document that is being shared
E. Show the participant list that includes participant status
F. Change the view of the meeting room of yourself and other participants

Answer: A,C,E

QUESTION 65:

Which three features are IP-videoconferencing MCU network enhancements?
(Choose three.)

A. Bandwidth Optimization tools
B. Full Compliance with RFC 3261
C. Interoperability with Microsoft Live Communication Server and Windows Messenger
D. Improved Serviceability such as alternate gatekeeper
E. RAJ/RAC

Answer: A,D,E

QUESTION 66:

Which three methods can system administrators use to create a user profile in Cisco
Unified MeetingPlace Express? (Choose three.)

A. Manually Create groups and profiles through the web interface
B. Integrate to a Cisco Unified CallManager and Cisco Unified CallManager Express or
IP PBX database through standard LDAP and end users must log in to Cisco Unified
MeetingPlace Express to create a profile Automatically
C. Integrate to only a Cisco Unified CallManager directly and other suppored third-party
LDAPs and end users must log in to Cisco Unified MeetingPlace Express to create a
profile automatically
D. Integrate to any PBX or Cisco SIP or Cisco Unified CallManger platform through the
LDAP integrations and end users must log in to Cisco Unified MeetingPlace Express to
create a profile automatically
E. Import a Microsoft Excel .csv formatted file from any downloaded customer database

Answer: A,C,E

QUESTION 67:

Which two Cisco Unified MeetingPlace Express features can be optionally

configured to provide automatic voice outdial to attendees? (Choose two.)

A. Outdial can be enabled for any attendee (all profiled users and guests)
B. Outdial can only be enabled systemwide for all profiled users and guests
C. Outdial can be initiated via the Telephony user interface, the web "lite" conference room and the fault web-conferencing users
D. Outdial dial plans are available for system administrator to configure in Cisco Unified MeetingPlace Express to provide blocking of any numeric values with unlimited entries for toll fraud control

Answer: A,C

QUESTION 68:

Which two are the suggested minimum web-conferencing requirement for using Cisco Unified MeetingPlace Express in a LAN and WAN environment? (Choose two.)

A. DSL - There is a minimum 200-kbps downstream bandwidth and presenters have a 400-kbps upstream bandwidth
B. DSL - There is a minimum 200-kbps downstream bandwidth and presenters have a 200-kbps upstream bandwidth
C. DSL - There is a minimum 1000-kbps downstream bandwidth and presenters have a 1000-kbps upstream bandwidth
D. LAN-There is a minimum 400-kbps downstream bandwidth and presenters have a 1000-kbps upstream bandwidth
E. LAN - There is a minimum 400-kbps downstream bandwidth and presenters have a 400-kbps upstream bandwidth

Answer: B,E

QUESTION 69:

What is required in order to integrate Cisco Unified MeetingPlace Express to support e-mail notifications for in-house voice and web conferencing in a secure environment?

A. One SMTP e-mail IP Address or host name and two unique e-mail user IDs and passwords
B. One SMTP e-mail IP Address and one unique e-mail user ID and password
C. One SMTP e-mail IP Address and one Cisco Unified CallManager user profile
D. One SMTP e-mail IP Address or host name only with SSL installed on the Cisco Unified MeetingPlace Express MCS
E. One SMTP e-mail IP Address or host name only and one unique e-mail user ID with no password allowed

Answer: B

QUESTION 70:

Which two are the most critical network implementation items for installing a Cisco Unified MeetingPlace Express MCS in Certkiller .com Network? (Choose two.)
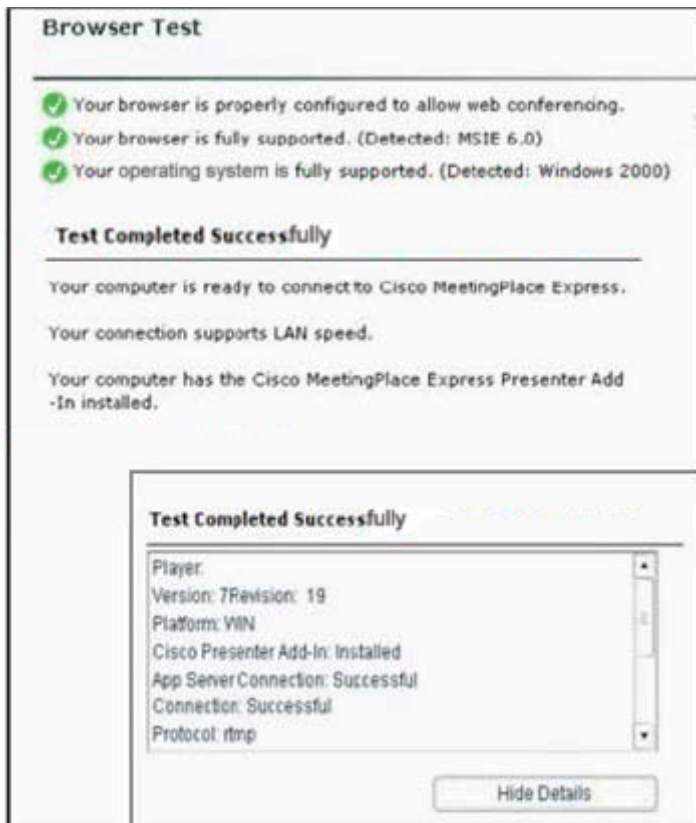
A. Two host names only for both NICs
B. Two IP Addresses for both NICs
C. Two IP Addresses on a single NIC
D. One IP Address on Ethernet 0
E. One fully qualified domain name fully resolvable by DNS on each of the two Ethernet NICs
F. One fully qualified domain name fully resolvable by DNS for the Ethernet 0 NIC

Answer: B,E

QUESTION 71:

Exhibit:

Refer to the exhibit. Which three web-conferencing issues can be identified by using the Cisco Unified MeetingPlace Express end-user Browser Test? (Choose three.)

A. Adobe's Macromedia Flash Player is installed and at the supported version
B. The Cisco Unified MeetingPlace Express web-sharing presenter Add-in is not installed (first-time download only)
C. The End-user browser is supported by Adobe's Macromedia Flash Player
D. The Dialup connection can't be supported for Cisco Unified MeetingPlace Express web-conferencing viewing or sharing
E. Any Microsoft Operating System version is fully supported
F. Any Apple Macintosh Operating System version is fully supported

Answer: A,B,C

QUESTION 72:

Which three Cisco Unified MeetingPlace Express features are intended for a crisis management application? (Choose three.)

A. The System Manager is the only user who can create continuous meetings
B. Any end-user profile can schedule continuous meetings for use 24 hours a day, 7 days a week and 365 days a year
C. Voice recording is fully supported for continuous meetings and can be downloaded by end users via their preferred MP3 player via the desktop
D. The continuous meetings can be set to optionally outdial all invitees upon one person entering the meeting ID
E. Continuous meetings reserve ports for 24 hours a day, 7 days a week, 365 days a year and are taken out of the "pool" of available scheduled or reservation less ports

Answer: A,D,E

QUESTION 73:

When using the GUI to configure a Cisco Unified Videoconferencing 3500 Series Multipoint Control Unit, which two parameters must be set in order for the MCU to register with a gatekeeper? (Choose two.)

A. Use the RAS registration method with the video gateway
B. Set the Registration method, use multicast or specify the IP Address and port number
C. Set the Registration of the gateway name and domain name
D. Set TTL in the gateway
E. Place a check in the SCCP check box

Answer: B,D

QUESTION 74:

Which three are Cisco Unified MeetingPlace Express capacity management

reports? (Choose three.)

A. Email Queue status Report
B. In-session Monitoring Report
C. System status Report
D. Utilization Report
E. Billing Report
F. Disk Usage Report

Answer: C,D,F

QUESTION 75:

Which two Cisco Unified MeetingPlace Express features can be accessed through
the IP Phone user interface? (Choose two.)

A. View roster of all invited attendees
B. View current speaker
C. Set Profile for a new meeting
D. Join a breakout session
E. Use 0# to get assistance from Cisco TAC
F. Mute or unmute another attendee's phone

Answer: B,D

QUESTION 76:

Which two operations can be performed through the Cisco Unified MeetingPlace
Express Administration Web interface? (Choose two.)

A. Configure the SMTP servers and e-mail templates and languages that are used for
meeting notifications
B. Configure H.323, MGCP, SIP, SCCP, dialing and audio parameters for Cisco Unified
MeetingPlace Express
C. Extract reports from Cisco Unified MeetingPlace Express on Cisco Unified
CallManager conference server usage
D. Configure usage and meeting values for scheduled and reservationless meetings
E. Diagnose network problems

Answer: A,D

QUESTION 77:

Which three different security features might Certkiller .com choose to implement
when deploying Cisco Unified MeetingPlace Express systems? (Choose three.)

A. Restrict the download of MP3 recordings of meetings
B. Load SSL certificate onto the MCS for secure web HTTPS traffic
C. Configure outdial Restrictions in the call-processing platform to which Cisco Unified MeetingPlace Express will place outbound calls
D. Configure End User profiles to force creating scheduled meeting passwords

Answer: C,E,F

QUESTION 78:

Certkiller .com has a legacy H.320 videoconferencing system. The customer recently migrated to a converged network for voice and data and would like to include video. New ISDN gateways have been deployed to connect the legacy H.320 systems to the IP network. How should the Cisco CallManager Cluster be configured so that the gatekeeper can provide call Admission control and resolve E.164 addresses?

A. E,164 Addresses will be managed by the Cisco CallManager Cluster and the gatekeeper will manage the CAC for the LAN and WAN
B. An intercluster trunk will be configured from the Cisco CallManager cluster to each of the new Video gateways and E.164 addressing and CAC will be managed by the gatekeeper
C. Each new gateway will be included in the Cisco CallManager configuration through a MRG and an MRGL and use locations-based CAC
D. A H.225 trunk will be configured between the gatekeeper and the Cisco CallManager cluster, the gatekeeper will resolve the E.164 addresses and manage CAC for the IP WAN

Answer: D

QUESTION 79:

Network toplogy exhibit:
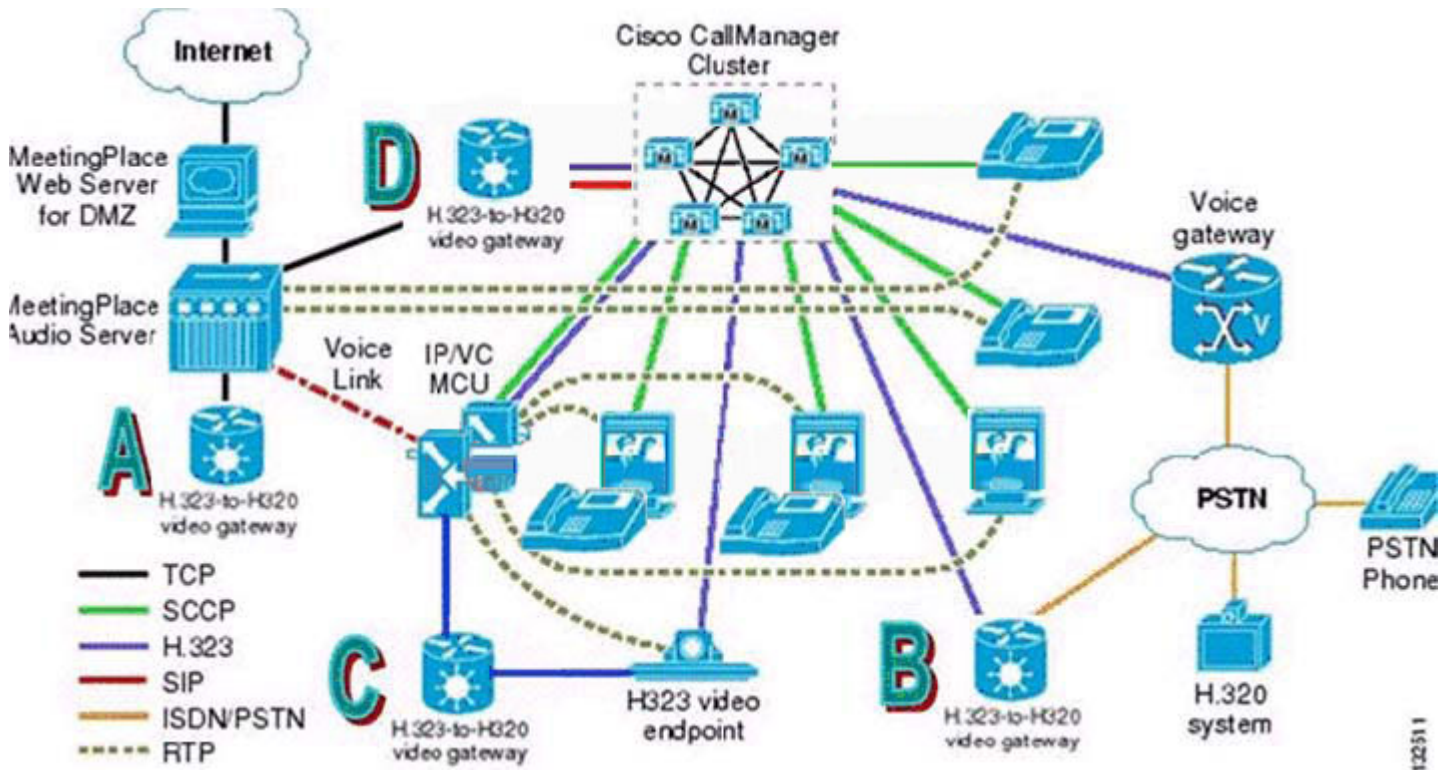
Refer to the Exhibit. The Post Road Communications Group is using Cisco MeetingPlace at it's world headquarters; the company also has a Cisco CallManager cluster. The Cisco CallManager cluster includes a video deployment with both SCCP and H.323 video endpoints. The videoconferencing capability is provided by a Cisco IPVC 3540 Series videoconferencing system. Using the topology in the exhibit, what should be the video gateway location?

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

Answer: B

QUESTION 80:

Certkiller .com has deployed a Cisco IPVC 3511 MCU E. Which three features will be available? (Choose three.)

A. connection to H.320 systems using up to four BRIs
B. connection to H.320 systems using up to two PRIs
C. audio transcoding
D. port configuration for both SCCP and H.323
E. conferencing up to 15 voice-activated sessions
F. conferencing up to 15 continuous presence sessions

Answer: C,E,F

QUESTION 81:

Certkiller .com would like to provide customized voice prompts for users who are dialing into videoconferences. Which components should be used to support customized voice prompts?

A. Cisco CallManager
B. The IVR built into the gateway
C. The IVR built into the video gateway
D. Cisco peripheral gateway
E. The built-in IVR of the MCU

Answer: E

QUESTION 82:

The Lincoln Concession Corporation is implementing a Cisco IP Videoconferencing solution that includes a Cisco CallManager and a Cisco IOS Gatekeeper. The customer uses H.323 and H.320 deviecs exclusively. Video calls will use RTP streams for audio, video and far-end camera control and a sequence of call control signaling messages. What handles negotiation of the video codec (h.261, H.263), resolution, frame rate and H.323 annexes?

A. Intercluster trunks
B. Cisco CallManager
C. Cisco MCM Gatekeeper
D. Cisco IOS Alternate Gatekeeper
E. Video endpoints

Answer: B

QUESTION 83:

The Acme Wakeboards Company is planning to install an IP videoconferencing system. One vendor needs to participate in weekly videoconference using a H.320 video endpoint at a rate of less than or equal to 512 Kbps. All other conference participants are internal staff. Which product should the company install to allow the remote vendor to join into the weekly conference?

A. Cisco IPVC 3511 Multipoint Control Unit
B. Cisco IPVC 3521 BRI Videoconferencing Gateway
C. Cisco IPVC 3526 PRI Videoconferencing Gateway
D. Cisco IPVC 3540 Series Videoconferencing System

E. Cisco IPVC 3544 chassis

Answer: B

QUESTION 84:

Certkiller .com has deployed a combination of Cisco VT Advantage cameras and H.323 video room systems. The Cisco VT Advantage camera users are complaining that many conferences are setting up as audio only. Which configuration parameter needs to be changed to resolve this videoconference issue?

A. The MRGL that is assigned to the device pool for only IP Phones should not include the video MCU
B. The MRGL that is assigned to the H.323 video room systems should use the same MGRL as the IP Phones but have the MCU as the first resource
C. The MRGL that is assigned to the H.323 video room system should use an empty capabilities set
D. The MGRL that is assigned to the IP phone should include the empty capabilities set

Answer: A

QUESTION 85:

The Acme Roller Skates Company has its corporate HQ in Seattle, with remote sales offices in Denver, Chicago, New York and Atlanta. The company is in the process of transitioning the H.230 Videoconferencing system to an IP videoconferencing system. The company has installed an MCU at the corporate HQ, but the remote offices still have H.320 terminal endpoints. A Cisco IPVC 3526 PRI Videoconferencing Gateway has been installed to allow the remote offices to dial into videoconferences. The telephony provider has given the company one phone number for the PRI, which can route to all the channels on the PRI. Which two methods are best for routing calls from the gateway to the MCU for conferences? (Choose two.)

A. DID
B. IVR
C. TCS4
D. Default Extension

Answer: B,C

QUESTION 86:

User A and User B are in a video call using Cisco VT Advantage. The call was set up via the local Cisco CallManager. User A and User B determine that they need to add user c to the call. User A attempts to conference in User C but there are no more

SCCP ports available on the MCU. What will be the outcome of the conference attempt?

A. The conference will proceed with audio and video using available H.323 ports on the MCU
B. The conference will proceed but only audio will be available
C. The conference will fail, but the video call between User A and User B will proceed
D. The conference will fail; User A and User B will be disconnected

Answer: B

QUESTION 87:

When routing to both audio video devices with which device does Cisco recommend enabling AAR?

A. Tandberg SCCP endpoint
B. H.323 Client
C. IP Phone
D. Cisco VT Advantage

Answer: C

QUESTION 88:

Certkiller .com has a conferencing network that is used by only H.323 endpoints. The company wants the ability to include SIP endpoints in conferences. What needs to be done to allow SIP and H.323 endpoints in the same conferences?

A. Cluster H.323 MCUs with SIP MCUs
B. Segment the MCU ports as either H.323 or SIP ports
C. Configure the MCU to register with a gatekeeper and SIP proxy servers and configure the SIP protocol parameters
D. Supply the SIP endpoint users with H.323 terminals. Conferences with both H.323 and SIP endpoints are not supported

Answer: C

QUESTION 89:

Certkiller .com has deployed a centralized call-processing model in the organization. The customer would now like to deploy a Cisco VT advantage camera on each IP phone to facilitate video calls and videoconferences. The customer has deployed a gatekeeper to provide Call Admission Control for the IP WAN. If the customer adds an MCU to each site, how will this impact the manner in which the media resource groups are configured in the Cisco CallManager Cluser?

A. There will not be any impact to the MRGs; only the order in which the MRGs are chosen in the MRGL will be impacted
B. There will be separate MRGLs for IP Phones and Cisco VT Advantage Cameras but each MRGL will use the same MRG to provide DSP support
C. Each Cisco VT Advantage Camera will have a separate MRGL assigned to it and this list will use an MRG that has dedicated resources for that specific type of device
D. Each device will be assigned an MRGL that will include an ordered list of all the MRGs available

Answer: D