Exam Code: 642-453

Exam Name: Gateway Gatekeeper(GWGK)

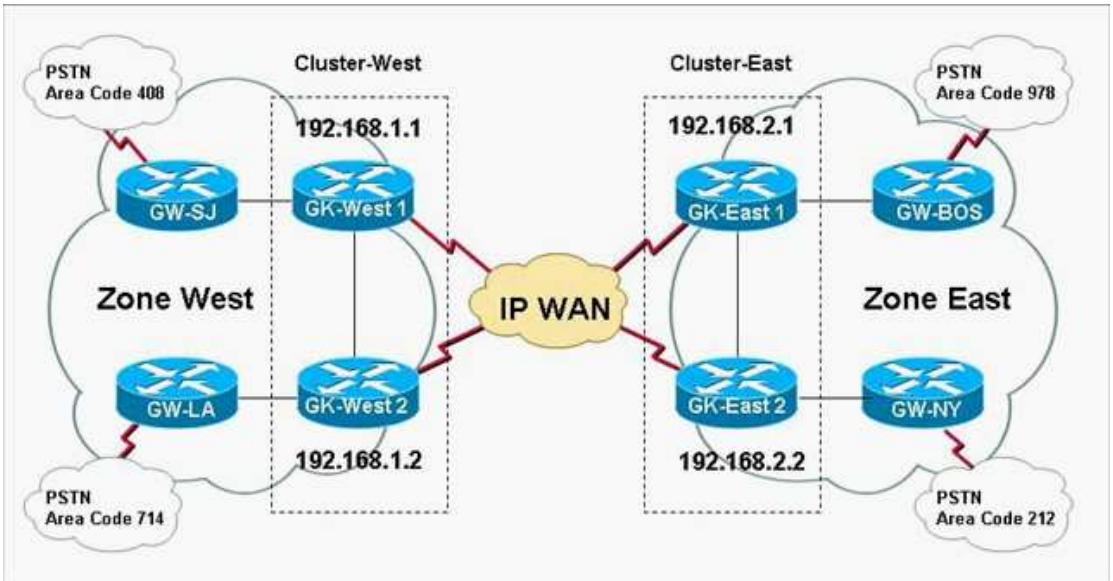
Vendor: CISCO

Version: DEMO

Part: A

1: Refer to the exhibit. The Acme Corporation has two zones: East and West. Each zone has two gatekeepers: East 1 and East 2, and West 1 and West 2. Acme would like to configure a gatekeeper cluster for each zone.

Which two sets of configuration commands would need to be added to the West 1 and 2 gatekeeper configurations to create the West cluster? (Choose two.)



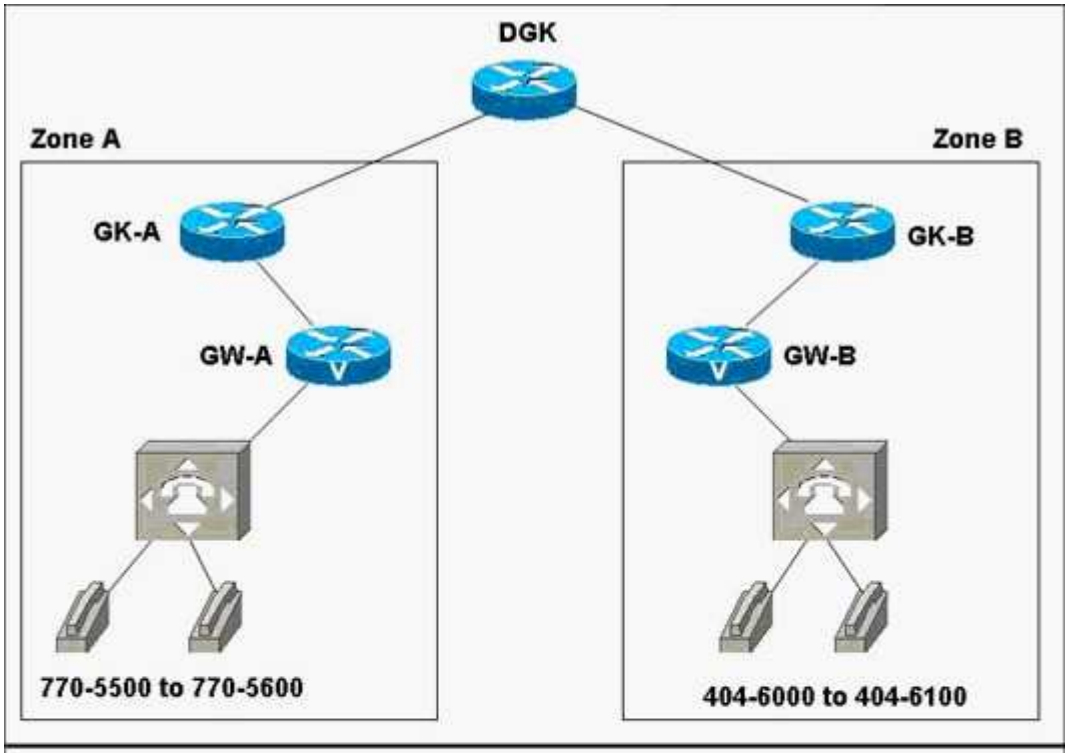
A.zone local West acme.com 192.168.1.1
zone cluster remote Cluster-West
element GK-West1 192.168.1.1 1719
B.zone local LA acme.com 192.168.1.2
zone cluster remote Cluster-West
element GK-West1 192.168.1.1 1719
C.zone local SJ acme.com 192.168.1.1
element GK-West2 192.168.1.2 1719
D.zone local West acme.com 192.168.1.2
element GK-West2 192.168.1.2 1719
E.zone local West acme.com 192.168.1.1
zone cluster local Cluster-West
element GK-West2 192.168.1.2 1719
F.zone local West acme.com 192.168.1.2
zone cluster local Cluster-West
element GK-West1 192.168.1.1 1719
Correct Answers: E F

2: When a WAN link problem occurs, it takes over three minutes for IP phones to become registered with the SRST gateway. What is the most likely cause of this?

A.The WAN link is bouncing.
B.The keepalive timer in the SRST gateway is set too long.
C.Each phone has a list of two alternate Cisco Unified CallManager systems, and it tries to

register with each before registering with the SRST gateway.
D.The SRST gateway is an MGCP gateway, and it must stop the MGCP process and switch over to the default H.323 process to initiate the SRST process.
Correct Answers: C

3: Refer to the exhibit. You have a client that is testing a directory gatekeeper in the lab to provide address resolution between two different zones. Two of the commands in the running-config output are incorrect.
Which two changes will correct the configuration? (Choose two.)




```
DGK# show running-config
...
!
zone local DGK acme.com
zone local GK-A acme.com 172.16.14.44 1719
zone remote GK-B acme.com 172.16.14.99 1719
zone prefix GK-A 770.......
zone prefix GK-B 404....
no shutdown
!
...
```

A.replace zone local DGK acme.com with zone remote DGK acme.com
B.replace zone prefix GK-A 770 . . . . . with zone prefix GK-A 770 . . . .
C.replace zone prefix GK-B 404 . . . . with zone prefix GK-B 404 . . . . . .
D.replace zone remote GK-B acme.com 172.16.14.99 1719 with zone local GK-B acme.com 172.16.14.99 1719
E.replace zone local GK-A acme.com 172.16.14.99 1719 with zone remote GK-A acme.com 172.16.14.44 1719
Correct Answers: B E

4: In which three situations would an IP-to-IP gateway be useful? (Choose three.)
A.two organizations have merged and both use SCCP signaling
B.an organization would like to migrate from H.323 to SIP
C.an organization has deployed a SIP IP telephony solution and needs to connect to a SIP service provider
D.an organization needs to migrate from a Cisco Unified CallManager IP telephony solution based on SCCP to an H.323 solution.
E.an organization using H.323 needs to integrate an acquisition that also uses H.323
F.an organization needs to integrate larger PSTN gateways into their SIP network
Correct Answers: B C E

5: Which IOS mechanism is used to restrict calling based on the device initiating the call?
A.RAI
B.COR
C.NBAR
D.RSVP
Correct Answers: B

6: The following Cisco IOS voice translation rule is entered:
voice translation-rule 1
rule 1 /^91\(360\)\(.+\)/ /9\2/
What will be the result if the rule is tested with the number 9-1-360-269-1212 (without the hyphens)?
A.991
B.9360
C.91360
D.92691212
E.913601212
F.The number will not match the rule
Correct Answers: D

7: An IP-to-IP gateway provides signaling protocol interworking between which protocols?
A.H.323 ?SIP
B.SIP ?MGCP
C.SIP ?SCCP
D.SCCP ?H.323
E.MGCP ?H.323
F.MGCP ?SCCP
Correct Answers: A

8: Which three are features provided by an IP-to-IP gateway? (Choose three.)
A.security
B.IP to PSTN gateway
C.address hiding using flow-around signaling

D.protocol interworking for SCCP, SIP and H.323
E.video integration
F.Call Admission Control
Correct Answers: A E F

9: A single call is active through an IP-to-IP gateway. If you use the show gatekeeper calls command, how many active call legs will be indicated?
A.1
B.2
C.3
D.4
Correct Answers: B

10: Refer to the exhibit. On a router running Cisco IOS version 12.3(14)T, an auto-attendant Tcl script is loaded and a warning message is displayed, stating that the operator parameter has not been registered. See the exhibit for an example of the error.
What must you do to continue?

```
2811(config-app)#service aa flash:its-CISCO.2.0.1.0.tcl
2811(config-app-param)#
*Sep 20 17:24:11.545: //-1//HIFS:/hifs_ifs_cb: hifs ifs file read succeeded. siz
e=6627, url=flash:its-CISCO.2.0.1.0.tcl
*Sep 20 17:24:11.549: //-1//HIFS:/hifs_free_idata: hifs_free_idata: 0x48CA4354
*Sep 20 17:24:11.549: //-1//HIFS:/hifs_hold_idata: hifs_hold_idata: 0x48CA4354
2811(config-app-param)#param operator 5000
Warning: parameter operator has not been registered under aa namespace
2811(config-app-param)#
```

A.nothing, the warning may be ignored
B.register the application with the gatekeeper
C.register the application parameters with the gatekeeper
D.register the application parameters with the application
E.register the application with the Cisco Unified CallManager
F.register the application parameters with the Cisco Unified CallManager
Correct Answers: A

11: Refer to the exhibit. Why is the gatekeeper sending a RIP RAS message to the endpoint?

```
4d16h: RecvUDP_IPSockData successfully rcvd message of length 134 from 10.100.100.100:49579
4d16h: ARQ (seq# 8204) rcvdparse_arq_nonstd: ARQ Nonstd decode succeeded, remlen = 1640003356
4d16h: IPSOCK_RAS_sendto: msg length 102 from 10.100.100.99:1719 to 10.200.99.99: 1719
4d16h: RASLib::RASSendLRQ: LRQ (seq# 2058) sent to 10.200.99.99
4d16h: IPSOCK_RAS_sendto: msg length 7 from 10.100.100.99:1719 to 10.100.100.100: 49579
4d16h: RASLib::RASSendRIP: RIP (seq# 8204) sent to 10.100.100.100
4d16h: RecvUDP_IPSockData successfully rcvd message of length 123 from 10.200.99.99:1719
4d16h: LCF (seq# 2058) rcvdparse_lcf_nonstd: LCF Nonstd decode succeeded, remlen = 1640003356
4d16h: IPSOCK_RAS_sendto: msg length 69 from 10.100.100.99:1719 to 10.100.100.100: 49579
4d16h: RASLib::RASSendACF: ACF (seq# 8204) sent to 10.100.100.100
```

A.because it cannot respond to a request within the specified timeout
B.because it has to initiate a restart to avoid timing out

C.because the current call needs to be restarted due to an RRJ
D.because it has exceeded the timeout and needs to restart the call
Correct Answers: A

12: How can you configure an H.323 gateway so that it is controlled by the Cisco Unified CallManager?
A.Configure the gateway on the Cisco Unified CallManager, and it will automatically configure the gateway.
B.Use the H.323-gateway voip srcadd gateway command to bind the gateway to the Cisco Unified CallManager.
C.Use the telephony-service ccm-compatible gateway command to enable the Cisco Unified CallManager to control the gateway.
D.The Cisco Unified CallManager and the H.323 gateway are peers. The Cisco Unified CallManager does not control H.323 gateways.
Correct Answers: D

13: Acme Anvils field offices route calls to headquarters through gateways to the PSTN. The headquarters numbers are all in the form 1-202-454-5XXX. At present, calls to headquarters require 12 dialed digits: the access code "9" followed by the 11-digit number. Employees in the field offices would like to call people at headquarters by dialing only their four-digit extensions.
Which Cisco IOS command will allow them to do this? (Assume that any associated commands needed in order to apply the one chosen will also be added)
A.GW(config)#num-exp 5... 912024545...
B.GW(config-dial-peer)#prefix 912024545
C.GW(config-dial-peer)#forward-digits 11
D.GW(cfg-translation-rule)#rule 1 /912024545/ /^5/
Correct Answers: A

14: Which two statements are correct descriptions of bandwidth management and bandwidth control? (Choose two.)
A.Bandwidth management is an H.323 optional function and bandwidth control is a mandatory function.
B.Bandwidth management manages endpoint bandwidth requirements and bandwidth control provides call admission control.
C.Both bandwidth management and bandwidth control are H.323 mandatory functions.
D.Bandwidth management provides call admission control and bandwidth control manages endpoint bandwidth requirements.
E.Bandwidth management manages endpoint bandwidth and provides intrazone call admission control, while bandwidth control provides interzone call admission control.
F.Bandwidth management is an H.323 mandatory function and bandwidth control is an optional function.
Correct Answers: A D

15: An enterprise includes a headquarters location and subsidiary location:

- Headquarters: Manchester, New Hampshire?03-643-XXXX
- Subsidiary: Seattle, Washington?06-532-XXXX

Calls between the locations are to take place along two routes:

First choice: Over the WAN to router 10.172.16.111

Second choice: Via the PSTN on port 1/0:1

Which two dial-peer configurations will provide this routing from the headquarters location to the subsidiary location? (Choose two.)

A.dial-peer voice 10 voip
destination-pattern 206532....
session-target ipv4:10.172.16.111

B.dial-peer voice 11 pots
destination-pattern 206532....
port 1/0:1
forward-digits all
preference 0

C.dial-peer voice 12 voip
destination-pattern 206532....
session-target ipv4:10.172.16.111
preference 1

D.dial-peer voice 13 pots
destination-pattern 206532....
port 1/0:1
forward-digits all
preference 1

Correct Answers: A D