

## 642-452 CCVP

### Cisco Gateway Gatekeeper Exam (GWGK)

**Practice Exam:** 642-452 Exams

**Exam Number/Code:** 642-452

**Exam Name:** Gateway Gatekeeper Exam (GWGK)

**Questions and Answers:** 156 Q&As

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Exam : Cisco 642-452

Title : Gateway Gatekeeper Exam (GWGK)

1. Which dial peer will send calls to the PSTN via the CAS T1 using this controller configuration?  
controller t1  
3/0 framing eslinecode b8zsds0-group 1 timeslots 1-24 type e&m-wink-start

- A. dial-peer voice 1 potsdestination-pattern 9.@port 3/0:1
- B. dial-peer voice 1 potsdestination-pattern 9.@port 3/0:24
- C. dial-peer voice 1 potsdestination-pattern 91port 3/0:1
- D. dial-peer voice 1 potsdestination-pattern 91port 3/0:24

Answer: C

2. Refer to the exhibit. Highland Park Property Development is integrating a Cisco CallManager system with the existing PBX via an E1 QSIG trunk. After the initial configuration, no calls can be placed from IP phones to PBX phones. How can this problem be resolved?

- A. Add the command `isdn contiguous-bchan` to the serial interface.
- B. Change the channel selection order from descending to ascending.
- C. Add the command `isdn negotiate-bchan` to the serial interface.
- D. Increase the ISDN T302 timer to allow more time for call setup.

Answer: C

3. Refer to the exhibit. What is the purpose of the TCL script snippet?

- A. process a script exit
- B. play an audio prompt
- C. terminate a call
- D. gather initial digits
- E. interrupt a call in progress

Answer: C

4. Acme Widgets is having trouble managing its fully meshed gatekeepers. What can be done to ease this administrative problem?

- A. install an H.323 proxy server
- B. implement a directory gatekeeper
- C. group the gatekeepers into clusters
- D. separate the gatekeepers into zones

Answer: B

5. Highland Park Property Development is integrating a Cisco CallManager system with the existing PBX via an E1 QSIG trunk. During testing, the first 15 calls work normally. After 15 simultaneous calls, new calls have no audio path when they are established. How can this problem be resolved?

- A. Add the command `isdn contiguous-bchan` to the serial interface.
- B. Change the channel selection order from descending to ascending.
- C. Add the command `isdn negotiate-bchan` to the serial interface.
- D. Increase the ISDN T302 timer to allow more time for call setup.

Answer: A

6. Which two features are benefits of using HSRP for gatekeeper redundancy? (Choose two.)

- A. The gatekeepers can load balance.
- B. The HSRP priority can be adjusted.
- C. End devices do not have to re-register after a primary gatekeeper failure.
- D. The gatekeepers may be located across WAN links for spatial redundancy.
- E. It uses a virtual IP address that is shared between the devices.

Answer: BE

7. A service provider wants to add SIP devices to the existing H.323 voice network. Which Cisco device will allow the SIP devices to use the existing routing structure on the H.323 gatekeeper?

- A. SIP voice gateway
- B. Cisco SIP Proxy Server
- C. Cisco SIP Redirect Server
- D. Cisco SIP Registrar Server

Answer: B

8. LAB

11. Refer to the exhibit. A client is in the process of migrating from a traditional PBX telephony system to an IP telephony system at the Tampa headquarters. The client would like to start migrating the regional offices in Nashville and Houston off the existing tie-lines and onto the IP WAN. In which locations would voice-enabled gateways need to be deployed? (Choose four)

- A. location 1
- B. location 2
- C. location 3
- D. location 4
- E. location 5
- F. location 6

Answer: ABCD

9. When COR is used in a gateway, under what circumstance will a call be completed between a specific pair of dial peers?

- A. only when the COR lists in the inbound and outbound dial peers are an exact match
- B. when the COR list in the outbound dial peer is a subset of the COR list in the inbound dial peer
- C. when the COR list in the inbound dial peer is a subset of the COR list in the outbound dial peer
- D. when the COR lists in the inbound and outbound dial peers have no matching members

Answer: B

10. Refer to the exhibit. A client is in the process of migrating from a traditional PBX telephony system to an IP telephony system at the Tampa headquarters. The client would like to start migrating the regional offices in Nashville and Houston off the existing tie-lines and onto the IP WAN. In which locations would voice-enabled gateways need to be deployed? (Choose four)

- A. location 1
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- F. location 6

Answer: ABCD

11. Refer to the exhibit. What is the purpose of the TCL script snippet?

- A. process a script exit
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- C. terminate a call
- D. gather initial digits

E. interrupt a call in progress

Answer: D

12. You have a client that is a national organization that has deployed an IP telephony network across all of the offices. The organization is divided into geographic regions. These regions include the east, the midwest, and the west. The organization would like to deploy a directory gatekeeper to provide dial-plan resolution for all of the regions. Which three statements correctly describe a DGK solution? (Choose three.)

- A. provides fault tolerance through a full mesh of regional gatekeepers
- B. allows up to a four-tier gatekeeper hierarchy to be deployed
- C. simplifies regional gatekeeper provisioning
- D. does not limit the number of hops in an LRQ
- E. allows local zones and LRQ forwarding zones to be mixed
- F. The directory-gatekeeper maintains states about the forwarded-LRQ calls.

Answer: BCE

13. Refer to the exhibit and the following steps for a call placed between Phone A and Phone B. Phone A calls Phone B. If Phone B does not answer, Phone B continues to ring even if Phone A hangs up. If the call is answered, it stays active until Phone B hangs up, regardless of the actions of Phone A. How can this problem be resolved?

- A. the amount of time that the PBX provides power denial is too long to be recognized by the FXO port
- B. if the PBX is capable of supporting ground-start signaling, have the FXO port use this feature to receive signal disconnect from the PBX
- C. in the configuration of the FXO port turn off tone based supervisory disconnect, this works only with FXS ports
- D. configure battery reversal on the FXO port so the PBX is aware when Phone B hangs up

Answer: B

14. What is a benefit of implementing an IP-to-IP gateway?

- A. provides IP network privacy and trust boundary for security
- B. offers equivalent quality and cost savings when compared to back-to-back gateways
- C. works in conjunction with gateway proxies to provide scalable video solutions
- D. enhances policy-routing capability by assigning carrier IDs to partner gateways

Answer: A

15. In a particular company, field offices route calls to headquarters out IP gateways to the PSTN. The numbers are all of the form 1-202-454-XXXX. When dialing, the field offices wish to dial only the last four digits. Which of the following Cisco IOS commands must be a part of the PSTN dial peer on the field office gateways?

- A. no digit-strip
- B. prefix 1
- C. num-exp .... 1202454....
- D. rule 1 ^202454 1

Answer: C

16. Which two functions are provided by a DSP farm? (Choose two.)

- A. caller ID
- B. transcoding
- C. E911
- D. directory lookup
- E. conference bridging
- F. music on hold

Answer: BE

17. Which three features are available during SRST failover? (Choose three.)

- A. music on hold
- B. IP phone speed dial

- C. distinctive ring
- D. call forwarding

Answer: ABC

18. A company determines that all long-distance calls to area code 603 will route across the WAN. The destination gateway is 10.172.163.5 connected through serial interface 1/0. Which set of Cisco IOS commands will accomplish this?

- A. dial-peer voice 100 potsdestination-pattern 1603.....port ipv4:10.172.163.5
- B. dial-peer voice 101 voipdestination-pattern 1603.....port 1/0
- C. dial-peer voice 102 voipdestination-pattern 1603.....session-target ipv4:10.172.163.5
- D. dial-peer voice 103 potsdestination-pattern 1603.....session-target 1/0

Answer: C

19. Which configuration will provision an E1 for ITU Q421 digital line signaling and compelled register signaling?

- A. controller e1 1/0cas-group 1 timeslots 1-31 type r2-digital r2-compelled ani
- B. controller e1 1/0cas-group 1 timeslots 1-31 type r2-compelled ani
- C. controller e1 1/0cas-group 1 timeslots 1-31 type r2-digital anicas-custom 1signaling r2-compelled
- D. controller e1 1/0cas-group 1 timeslots 1-31 type r2-compelledcas-custom 1signaling r2-digital

Answer: A

20. Refer to the exhibit. Acme Widgets has assigned extensions based on the dialing restrictions. All users in the range of 1000 to 1999 are to be set up so that they can dial only emergency and local calls via the PSTN. Given the configuration of Gateway-A, which types of calls can Phone-A actually make via the PSTN?

- A. none
- B. emergency calls only
- C. emergency calls and local calls only
- D. emergency calls, local calls, and long-distance calls only
- E. any calls

Answer: C

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