

PDFVCE



Choose the version that fits your needs	PDF Version	Desktop Test Engine	Online Test Engine
Latest and Up-to-Date exam dumps with real exam questions answers.	✓	✓	✓
Get 12-Months free updates without any extra charges.	✓	✓	✓
Experience same exam environment before appearing in the certification exam.	✗	✓	✓
100% exam passing guarantee in the first attempt.	✓	✓	✓
20% discount on more than one license and 30% discount on 5+ license purchases.	✗	✓	✓
100% secure purchase on SSL.	✓	✓	✓
Completely private purchase without sharing your personal info with anyone.	✓	✓	✓

<http://www.pdfvce.com>

Highly Efficiently Exam Tool and Effective Exam Practice Materials

Exam : 642-453

Title : Gateway Gatekeeper Exam
(GWGK)

Vendors : Cisco

Version : DEMO

NO.1 A Cisco voice gateway is connected to the PSTN via an analog line. How can the gateway be configured to support caller ID?

- A. using MGCP and an FXO port to the PSTN
- B. using H.323 and an FXO port to the PSTN
- C. using MGCP and an FXS port to the PSTN
- D. using H.323 and an FXS port to the PSTN

Answer: B

NO.2 You need to provide support for 30 simultaneous calls from an offshore oil platform. The only circuit type available is an E1 R2 over a satellite link. Which type of signaling should be configured?

- A. DTMF
- B. r2-digital
- C. r2-analog
- D. r2-pulse

Answer: D

NO.3 You have a client who is designing a gateway solution for an IP communications network. The T1 needs to support ANI for both incoming and outgoing calls. How should the gateway be configured?

- A. Configure an MGCP gateway so that there are two DS-0 groups on the T1 from the PSTN, one to send ANI and one to receive ANI.
- B. Configure an H.323 gateway so that there are two DS-0 groups on the T1 from the PSTN, one to send ANI and one to receive ANI.
- C. Configure an MGCP gateway so that there is a single DS-0 group on the T1 to the PSTN, to both send and receive ANI.
- D. Configure an H.323 gateway so that there is a single DS-0 group on the T1 to the PSTN, to both send and receive ANI.

Answer: B

NO.4 An ISR 2811 has two PVDM2-32s installed on its mainboard. What is the maximum number of

simultaneous voice calls the router can support if voice card 0 is configured for the default codec

complexity?

- A. 16
- B. 24
- C. 32
- D. 48
- E. 64
- F. 128

Answer: E

NO.5 You have a client who is planning to implement a toll bypass service for the PBXs. The organization has

four locations and the PBXs are a mixture of QSIG- and non-QSIG-capable devices. Which type of

services will be available between a QSIG and a non-QSIG PBX?

- A. The supplementary services on the non-QSIG PBX will be available to both devices.
- B. Only basic calls that do not require supplementary services are supported.
- C. The supplementary services supported by the QSIG PBX will be terminated by the gateway and translated to the non-QSIG PBX.
- D. The gateway will translate all the supplementary services for both PBXs.

Answer: B

NO.6 ACME Appliances has several offices used only by field technicians. Since the offices are frequently

unmanned, they require a DNIS to route inbound calls to technicians' mailboxes. Which option describes

how their analog interfaces should be configured to support both inbound and outbound calling?

- A. FXO ports should be configured to support both inbound and outbound calling.
- B. FXO ports should be configured to support inbound calling through the DNIS and FXS ports should be configured to support outbound calling.
- C. FXS ports should be configured to support inbound calling through the DNIS and FXO ports should be configured to support outbound calling.
- D. Since inbound DNIS is only supported for digital circuits, ACME needs to upgrade their

analog circuits
to digital T1 circuits.

Answer: C

NO.7 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.

Answer: AD

NO.8 Which statement best describes FGD signaling?

- A. FGD uses a variant of E&M wink-start signaling with two winks. Address information is delivered after the initial wink and is acknowledged with a second wink.
- B. FGD uses FXS/FXO loop-start signaling. Caller ID is provided between the first and second ring and is sent as ASCII-encoded text.
- C. FGD uses FXS/FXO ground-start signaling. Caller ID is provided using DTMF.
- D. FGD uses E&M wink-start signaling. ANI delivery is supported by defining a CAS custom class to specify the delimiter used to distinguish DNIS and ANI.

Answer: A

NO.9 A gateway is going to provide media resources useable by three different Cisco Unified CallManager

clusters. Which Cisco IOS structure makes this possible?

- A. applications
- B. service types
- C. port numbers
- D. profiles

Answer: D

NO.10 A gateway is connected to the PSTN via eight analog circuits. Which two methods can be used to route

calls across all eight circuits? (Choose two.)

- A. For each destination pattern, configure eight dial peers pointing to each port and use the preference command to select which port is used.
- B. Assign each port to a trunk group. For each destination pattern, configure a single dial peer pointing to the trunk group.
- C. Assign each port to a hunt list. For each destination pattern, configure a single dial peer pointing to the hunt list.
- D. For each destination pattern, configure a single dial peer. Use the port range command to select which port is used.
- E. For each destination pattern, configure eight dial peers pointing to each port and use the huntstop command to select which port is used.

Answer: AB

NO.11 Which codec complexity should be configured to maximize the number of simultaneous voice calls

that can be supported by a PVDM2-16?

- A. Flex
- B. Low
- C. Medium
- D. High

Answer: A

NO.12 An ISR 2811 has two PVDM-32s installed on its mainboard. What is the maximum number of

simultaneous voice calls the router can support if voice card 0 is configured for high codec complexity?

- A. 16
- B. 24
- C. 32
- D. 48
- E. 64
- F. 128

Answer: B

NO.13 Bob's Bicycles wants to route inbound faxes directly to the recipient's e-mail. Which gateway fax protocol will support this?

- A. Fax Pass-Through
- B. Fax Relay
- C. T.37
- D. T.38

Answer: C

NO.14 Which three statements accurately describe gatekeepers? (Choose three.)

- A. Gatekeepers may be logically combined with other H.323 endpoints.
- B. Gatekeepers are optional devices in H.323 networks.
- C. The primary functions of gatekeepers are address translation, CAC, and zone management.
- D. Gatekeepers are mandatory devices in an H.323 network.
- E. The primary functions of gatekeepers are NAT translation, protocol interworking, and bandwidth management.
- F. Gatekeepers are logically separated from H.323 endpoints.

Answer: BCF

NO.15 Which codec complexity should be configured to maximize the number of simultaneous voice calls that can be supported by a PVDM-12?

- A. Flex
- B. Low
- C. Medium
- D. High

Answer: C

NO.16 Which three mandatory functions of H.323 networks are associated with a gatekeeper? (Choose three.)

- A. zone management
- B. call authorization
- C. call management
- D. admission control
- E. bandwidth management
- F. bandwidth control

Answer: ADF

NO.17 Which analog trunk type configuration should be used for a connection to a PSAP for E911 services?

- A. FXO
- B. FXS
- C. FXS-DID
- D. E&M
- E. CAMA

Answer: E

NO.18 Which IOS mechanism is used to restrict calling based on the device initiating the call? A. RAI

- B. COR
- C. NBAR
- D. RSVP

Answer: B

NO.19 Which statement accurately describes the amount of bandwidth required for a fax call using fax

pass-through when packet redundancy is not enabled?

- A. The fax call uses the same amount of bandwidth as a G.711 voice call.
- B. The fax call uses the same amount of bandwidth as a G.729 voice call.
- C. The fax call uses 20% more bandwidth than a G.711 voice call because the fax sample size is smaller.
- D. The fax call uses 20% more bandwidth than a G.729 voice call because the fax sample size is smaller.

E. The fax call uses 20% more bandwidth than a G.711 voice call because the fax sample size is larger.

F. The fax call uses 20% more bandwidth than a G.729 voice call because the fax sample size is larger.

Answer: C

NO.20 You need to direct inbound faxes to a third party fax server. Which fax protocol should be configured

on your gateways?

A. Cisco fax relay

B. T.38 fax relay

C. T.37 store and forward

D. fax passthrough

Answer: B