



**Cisco**

**642-416**

*Unified Communications Architecture and(R) Design*

**QUESTION: 50**

Which three features are core voice gateway features? (Choose three.)

- A. DTMF-relay capabilities
- B. LLQ capabilities
- C. FAX and modem support
- D. supplementary services support
- E. tx ring buffer tuning capabilities

**Answer:** A, C, D

**QUESTION: 51**

There are many protocols available for gateway call control in the Cisco Unified Communications environment. Which protocol is proprietary to Cisco? (Choose one.)

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

**Answer:** C

**QUESTION: 52**

Which protocol is used for communications between Cisco Unified Communication Manager clusters? (Choose one.)

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

**Answer:** D

**QUESTION: 53**

Which protocol provides Cisco Unified Communication Manager provisioning capabilities? (Choose one.)

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

**Answer:** B

**QUESTION:** 54

Which protocol provides best practice for Cisco Unified Communication Manager FAX relay capability? (Choose one.)

- A. T.38
- B. T.37
- C. G.711 pass-through

**Answer:** A

**QUESTION:** 55

When calculating the sizing of a TDM gateway, which three pieces of information are required? (Choose three.)

- A. incoming BHCA traffic in erlangs
- B. average number of circuits busy on a daily basis
- C. blocking factor (grade of service)
- D. outgoing BHCA traffic in erlangs
- E. average number of idle circuits on the busiest day

**Answer:** A, C, D

**QUESTION:** 56

Which two gateway services can be provided using DSPs? (Choose two.)

- A. conferencing
- B. music on hold
- C. call transfer
- D. automatic call rerouting
- E. voice circuit termination

**Answer:** A, E

**QUESTION:** 57

What is the major functional difference between PVDM2 and PVDM3 technology?  
(Choose one.)

- A. PVDM2 has 16 channels; PVDM3 has 64 channels.
- B. Each PVDM2 can process multiple functions.
- C. Conferencing requires a reserved PVDM2 chip.
- D. PVDM3s can process multiple functions on the same chip.
- E. There is no functional difference between the two chipsets.

**Answer:** D

**QUESTION:** 58

What is the primary reason that DSP resources are added to remote offices in a centralized Cisco Unified Communications Manager solution? (Choose one.)

- A. to make sure there is an alternate TDM path to the cluster
- B. to provide supplementary services to the MGCP gateway
- C. to provide local media resources
- D. to enhance voice quality

**Answer:** C

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