



642-415

(Unified Communications Architecture and Design)

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Question: 1

Consider the following customer attributes and choose the correct IP telephony call processing model:

- A. A large campus that spans two PSAP areas
- B. A single group of buildings connected via fiber optics
- C. Data VPNs that support multiple contractors and suppliers
- D. A fully developed three-tier network hierarchy
- E. Connectivity to two different service providers for Internet access
- F. Single-site call processing
- G. Centralized call processing
- H. Hybrid call processing
- I. Distributed call processing

Answer: A

Question: 2

What information is relevant to choosing an IP telephony centralized call processing model?

- A. Multiple PRIs to the PSTN
- B. A campus of six buildings connected via an ATM backbone
- C. Three small regional sales offices located in the three Western time zones
- D. Centralized order processing, shipping, and billing for all customer products
- E. Connectivity to a single service provider that hosts the company web site and provides for Internet access
- F. A single six-story building with an IDF on each floor and an MDF in the computer room on the second floor

Answer: C

Question: 3

In a TDM PBX to Cisco Unified Communications Manager migration, which three things must be verified from the LAN perspective before IP telephony can be deployed? (Choose three.)

- A. The type of wiring in the office
- B. The number of PSTN connections needed
- C. The number of public IP addresses available
- D. The amount of rack space in the equipment rack

E. The amount of power that is available to support new LAN switches

Answer: A, D, E

Question: 4

The intanet will have three VLAN types to support voice and data traffic; one type for voice, one type for data, and one type for the Cisco Unified Communications Manager cluster. How should inter-VLAN connectivity be deployed? Drag and drop the type of connectivity to each type of connection. Types of connections may be used more than once.

Type of Connection	Type of Connectivity
Blocked	Data-to-data
Full	Voice-to-voice
Limited	Voice-to-data
	Cisco Unified Communications Manager-to-data
	Cisco Unified Communications Manager-to-voice

Answer:

Type of Connection	Type of Connectivity
Blocked	Full
Full	Full
Limited	Blocked
	Limited
	Full

Question: 5

Ajax wants to ensure that their employees are safe and that they comply with the law.

What are four general E911 responsibilities of an enterprise telephony system? (Choose four.)

- A. Enable PSAP call-back.
- B. Initiate the update of ALI records.
- C. Provide a detailed map of all ERLs.
- D. Allow conferencing with internal security personnel.
- E. Route calls to the appropriate point (on-net or off-net).
- F. Deliver appropriate calling party number digits to LEC.

Answer: A, B, E, F

Question: 6

What are two conferencing guidelines for a single-site deployment? (Choose two.)

- A. Use hardware conferencing only for small deployments
- B. If available, configure DSPs for flex-mode when there are multiple codec types in use.
- C. Group any conferencing resources into MRGLs based on their location, to manage Call Admission Control.
- D. Make certain that Meet-Me and Ad-Hoc conference resources each account for a minimum of 5% of the user base.

Answer: B, D

Question: 7

Ajax needs to provide technical support outside of normal operating hours. They would like to deploy a small test call center to develop the skills necessary to provide phone, chat, and e-mail support. Ajax wants to start with five agents. Which two connection types would be applicable for use with the planned contact center? (Choose two.)

- A. PRI
- B. CAS
- C. E&M
- D. QSIG
- E. POTS

Answer: A, B

Question: 8

Indicate whether T1s or E1s are available in your area. (Note: If both are available, choose

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the one with which you are most familiar.)

Number Of Lines	Traffic Offered for P(0.01) 1%	Traffic Offered for P(0.02) 2%	Traffic Offered for P(0.03) 3%	Traffic Offered for P(0.04) 4%
5	1.4	1.6	1.9	2
6	1.9	2.2	2.5	2.7
72	57.9	60.9	63.2	65
73	58.8	62	64.2	66
74	59.7	62.9	65.1	67.1
75	60.7	63.9	66.2	68
86	70.9	74.4	76.9	79
87	71.9	75.3	77.9	80
88	72.8	76.4	78.9	81
89	73.7	77.3	79.9	82.1
90	74.6	78.3	80.9	83
113	96.2	100.6	103.6	106.2
114	97.2	101.5	104.6	107.3
115	98.2	102.5	105.7	108.2
116	99.2	103.4	106.6	109.2
117	100.1	104.4	107.6	110.3

- A. T1
- B. E1

Answer: Pending

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