

Cisco

CCNA Voice

640-460 IIUC 640-460 IIUC 640-460 IIUC 640-460 IIUC

PRINTABLES

PRINTABLE PRACTICE QUESTIONS

QUESTIONS, ANSWERS, AND
DETAILED EXPLANATIONS IN AN
EASY-TO-USE PRINTABLE FORMAT

PrepLogic

Be Prepared. Be Confident. Get Certified.

Table of Contents

Chapter 1

Components of the Cisco Unified Communications Architecture...2

Answer Key 56

Explanations 65

Chapter 2

PSTN components and technologies.....9

Answer Key 57

Explanations 73

Chapter 3

VoIP components and technologies..... 14

Answer Key 58

Explanations 79

Chapter 4

Describe and config gateways, voice ports and dial peers.....20

Answer Key 59

Explanations 85

Chapter 5

Describe and configure a Cisco Network to support VoIP..... 28

Answer Key 60

Explanations 92

Chapter 6

Implement UC500 using Cisco Configuration Assistant..... 33



Answer Key	61
Explanations	97

Chapter 7

Cisco Unified Communications Express..... 37

Answer Key	62
Explanations	101

Chapter 8

Cisco Unity Configuration and Troubleshooting..... 47

Answer Key	63
Explanations	108



CCNA Voice(640-460 IIUC) Printables

Copyright © 2009 by PrepLogic, LLC.

Product ID: 11418

Production Date: May 27, 2009

Total Questions: 110

All rights reserved. No part of this document shall be stored in a retrieval system or transmitted by any means, electronic, mechanical, photocopying, recording, or otherwise, without written permission from the publisher. No patent liability is assumed with respect to the use of the information contained herein.

Warning and Disclaimer

Every effort has been made to make this document as complete and as accurate as possible, but no warranty or fitness is implied. The publisher and authors assume no responsibility for errors or omissions. The information provided is on an "as is" basis. The authors and the publisher shall have neither liability nor responsibility to any person or entity with respect to any loss or damages arising from the information contained in this document.

Volume, Corporate, and Educational Sales

PrepLogic offers favorable discounts on all products when ordered in quantity. For more information, please contact PrepLogic directly:

1-800-418-6789

solutions@preplogic.com



Chapter 1

Components of the Cisco Unified Communications Architecture

1. All CME phone features are built on top of which two foundation elements?

Choose two:

- A. The Cisco IOS router engine
- B. Survivable Remote Site Telephony (SRST)
- C. H.323
- D. VoIP Infrastructure

[Find the Answer](#) p. 56

2. What is the Cisco proprietary protocol used to control local IP phones?

Select the best answer.

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

[Find the Answer](#) p. 56



3. The CME acts as a gateway for what two VoIP areas?

Select the best answer.

- A. PSTN
- B. IP phones
- C. Frame Relay
- D. FXO
- E. Firewall

[Find the Answer](#) p. 56

4. Which layer of the OSI model deals with the connectionless VoIP protocol?

Select the best answer.

- A. Layer 3
- B. Layer 4
- C. Layer 1
- D. Layer 6

[Find the Answer](#) p. 56

5. What are the three voice packet technologies?

Choose three:

- A. SIP
- B. Voice over ATM
- C. SCCP
- D. Voice over Frame Relay
- E. Voice over IP

[Find the Answer](#) p. 56



Answers: Chapter 1

1. A, D	Review Question p. 2	Detailed Explanation p. 65
2. C	Review Question p. 2	Detailed Explanation p. 65
3. A, B	Review Question p. 3	Detailed Explanation p. 66
4. B	Review Question p. 3	Detailed Explanation p. 66
5. B, D, E	Review Question p. 3	Detailed Explanation p. 66
6. B	Review Question p. 4	Detailed Explanation p. 67
7. C	Review Question p. 4	Detailed Explanation p. 67
8. D	Review Question p. 4	Detailed Explanation p. 68
9. A, B, D	Review Question p. 5	Detailed Explanation p. 68
10. D	Review Question p. 5	Detailed Explanation p. 68
11. A, B	Review Question p. 5	Detailed Explanation p. 69
12. D	Review Question p. 6	Detailed Explanation p. 69
13. B	Review Question p. 6	Detailed Explanation p. 70
14. A	Review Question p. 6	Detailed Explanation p. 70
15. C	Review Question p. 7	Detailed Explanation p. 70
16. C	Review Question p. 7	Detailed Explanation p. 71
17. B	Review Question p. 7	Detailed Explanation p. 71
18. C	Review Question p. 8	Detailed Explanation p. 72

Explanations: Chapter 1

1. [Review Question](#) p. 2

Answers: A, D

Explanation A. Correct - Connecting standard PBX systems with routers was the first evolution. The Cisco CME now integrates their IOS router with the functionality of a PBX

Explanation B. Incorrect - SRST is a feature of CME but not a foundation element

Explanation C. Incorrect - H.323 is an ITU standard to transport multimedia communication over IP networks. While the CME can handle H.323 protocol, it is not one of the two foundation elements.

Explanation D. Correct - The VoIP infrastructure was engineered to provide PSTN and PBX gateway connectivity on a router.

More Information:

[Cisco IP Communications Express - Page 59](#)

PrepLogic Question: [11418-100](#)

2. [Review Question](#) p. 2

Answers: C

Explanation A. Incorrect - Session Initialization Protocol (SIP) is an IETF protocol used for call setup.

Explanation B. Incorrect - H.323 is an ITU standard that manages call control, multimedia management and bandwidth.

Explanation C. Correct - A Cisco proprietary used for VoIP signaling to send messages between the call agent and the IP phone

Explanation D. Incorrect - VoIP is a technology that allows voice data to be sent over an IP network.

More Information:

[Cisco IP Communications Express - Page 61](#)

PrepLogic Question: [11418-101](#)



3. [Review Question](#) p. 3**Answers: A, B****Explanation A.** Correct - The CME provides protocol conversion between IP and non-IP based voice protocols.**Explanation B.** Correct - The CME provides protocol conversion between IP and non-IP based voice protocols.**Explanation C.** Incorrect - Frame Relay is a communications protocol. The CME is not considered a gateway for this technology**Explanation D.** Incorrect - An FXO is a physical interface that connects PSTN analog phones on a PBX.**Explanation E.** Incorrect - a filter that helps to protect one segment of a network from another. While a Cisco ISR can be a CME and firewall simultaneously, the CME is not a gateway for the firewall.**More Information:**[Cisco IP Communications Express - Page 69](#)PrepLogic Question: [11418-102](#)4. [Review Question](#) p. 3**Answers: B****Explanation A.** Incorrect - The network layer deals with IP based communication.**Explanation B.** Correct - Layer 4 is where UDP is handled.**Explanation C.** Incorrect - They physical layer deals with the physical connections and signaling.**Explanation D.** Incorrect - The presentation layer deals with the context of the application layerPrepLogic Question: [11418-103](#)5. [Review Question](#) p. 3**Answers: B, D, E****Explanation A.** Incorrect - Session Initialization Protocol (SIP) is an IETF protocol used for call setup.

Explanation B. Correct - Voice over ATM provides for calls to be placed over an ATM network

Explanation C. Incorrect - SCCP is a Cisco proprietary protocol for call setup and control

Explanation D. Correct - Voice over Frame Relay provides for calls to be placed over a Frame Relay network

Explanation E. Correct - Voice over IP allows voice to travel over IP native networks.

PrepLogic Question: [11418-104](#)

6. [Review Question](#) p. 4

Answers: B

Explanation A. Incorrect - VoATM operates at layer 2

Explanation B. Correct - VoIP operates at layer 3. This feature allows VoIP to operate over Frame Relay and ATM L2 networks that are configured to understand IP. Also, VoIP operates over typical LANs to go all the way to the desktop.

Explanation C. Incorrect - VoFR operates at layer 2

Explanation D. Incorrect - G.711 is a voice codec standard.

PrepLogic Question: [11418-105](#)

7. [Review Question](#) p. 4

Answers: C

Explanation A. Incorrect - A client/server protocol setup (such as SCCP) requires talking to a call agent.

Explanation B. Incorrect - A peer-to-peer only allows calls to be placed from one VoIP end station to another (such as SIP).

Explanation C. Correct - In a client/server configuration, a call agent is used in the middle to assist in making calls.

Explanation D. Incorrect - Peer-to-Peer protocols only allow for end station to end station communication and do not rely on call agents.

PrepLogic Question: [11418-106](#)

