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**Exam** : **642-145**

**Title** : Implementing Cisco IOS Unified Communications Advanced

**Version** : DEMO

1. Your IP telephony manager wants you to configure an FXS port on a voiceenabled router with these requirements: 1) It supports groundstart signaling. 2) Calling name is James Smith. 3) Calling number is 4085551212. 4) Ring frequency is 25hz. 5) Ring cadence is for Germany. Which configuration will meet these requirements?

A. voiceport 1/0/0 signal groundstart cptone DE ring frequency 25 stationid name James Smith stationid number 4085551212

B. voiceport 1/0/0 description extension 5551212, name "James Smith"
signal groundstart ring cadence DE ring frequency 25

C. voiceport 1/0/0 description extension 5551212, name "James Smith" ring cadence Germany ring frequency 25 stationid name James Smith stationid number 5551212

D. voiceport 1/0/0 signal groundstart cadence Germany frequency 25 stationid name James Smith stationid number 4085551212
Answer:A

2. What is the best practice of configuring an intercom on a shared line?

A. This feature allows all endpoints to participate in intercom messages.

B. This feature allows one endpoint to contact multiple endpoints simultaneously.

C. This feature is not supported and should not be used.

D. This feature can be used only when the intercom ephonedn is configured as a dual line.

E. This feature can be supported only in a unidirectional manner.
Answer: C

3. Refer to the exhibit. When two separate calls, FXO and PRI, arrive at the following Cisco Unified Communications Manager Express router, which statement about call behavior is true?

```
controller T1 0/2/0
 framing esf
 linecode b8zs
 pri-group timeslots 1-4,24
!
voice-port 0/1/0
 connection plar 2151
!
voice-port 0/2/0:23
!
dial-peer voice 50 pots
  incoming called-number .%
 port 0/1/0
!
dial-peer voice 123 pots
 incoming called-number .
 direct-inward-dial
```

A. TheFXOcall matches dialpeer 50pots andsucceeds, andthePRI call matches dialpeer 123pots,but it fails due to a missing port statement.

B. ThePRI call matches dialpeer 50pots andsucceeds, andtheFXOcallmatches dialpeer 123pots,but it fails due to a missing port statement.

C. The FXOcall matches dialpeer 50pots, andthe PRI call matches dialpeer 123pots, but bothcalls fail due to misconfiguration.

D. The FXO call matches dialpeer 50 pots, the PRI call matches dialpeer 123 pots, and both calls succeed.

E. The PRI call matches dialpeer 50 pots, the FXO call matches dialpeer 123 pots, and both calls succeed.
Answer: D

4. Refer to the exhibit. The Saratoga Softball League is setting up Call Transfer for its Cisco Unified

CallManager Express solution, which uses version 4.0. The network supports the H.450 standards. What will be used to execute the transfer?

```
SaratogaSL(config-telephony-service)#transfer-system blind
```

A. Tcl script

B. hairpin routing

C. H.450.2 standard

D. H.450.3 standard

E. proprietary Cisco method
Answer: E

5. Refer to the exhibit. CiscoUnityExpress is not registeredto a CiscoUnifiedMessaging Gateway. What is causing this condition?

```
CUE1# sh messaging-gateway
Messaging gateways :

***Output omitted***

Primary messaging gateway :
        10.1.1.10
        Status : Not Registered
        Location-id : 10
        Reg-id : CME1
        Reg-password : (Not displayed)
        Retry-interval : 5 minute(s)

Secondary messaging gateway :
        Status : Not Configured


CUE1# sh running-config
Generating configuration:

***Output Omitted***

network location id "11"
 abbreviation "CME1"
 email domain 192.168.1.10
 name "CME1"
 voicemail extension-length min 4 max 8
 end location

network location id "12"
 abbreviation "CME2"
 email domain 192.168.2.10
 name "CME2"
 voicemail extension-length min 4 max 8
 end location

network local location id 11

security password lockout policy temp-lock
security pin lockout policy temp-lock
service phone-authentication
 end phone-authentication

service voiceview
 enable
 end voiceview

messaging-gateway primary 10 10.1.1.10
 username CME1 password encrypted
"J3+trZ39ZxE5Sik27qsefknfGWTYHfmPSd8ZZNgd+Y9J3xlk2B35jOnfGWTYHfmPSd8ZZNgd+Y9J3xl
k2B35jOnfGWTYHfmPSd8ZZNgd+Y9J3xlk2B35jOnfGWTYHfmP"
 end messaging-gateway
```

A. Local location ID should be changed to be "10".

B. The messaginggateway registration command is not configured.

C. Cisco Unified Messaging Gateway location is not defined.

D. Email domains are not on the same subnet.

E. VoiceView cannot be enabled.
Answer: B

6. Which two configuration snips will configure two ephonedns that will function as a private intercom between "Sales Mgr" and his "Sales Admin"? The intercom must automatically answer and not require any direct phone intervention from the administrator to speak with the manager. (Choose two.)

A.
```
ephone-dn 90
 number 5000
 name "Sales Admin"
 intercom 4999 label "Sales Admin"
```

B.
```
ephone-dn 91
 number 4999
 name "Sales Mgr"
 intercom 5000 label "Sales Mgr"
```

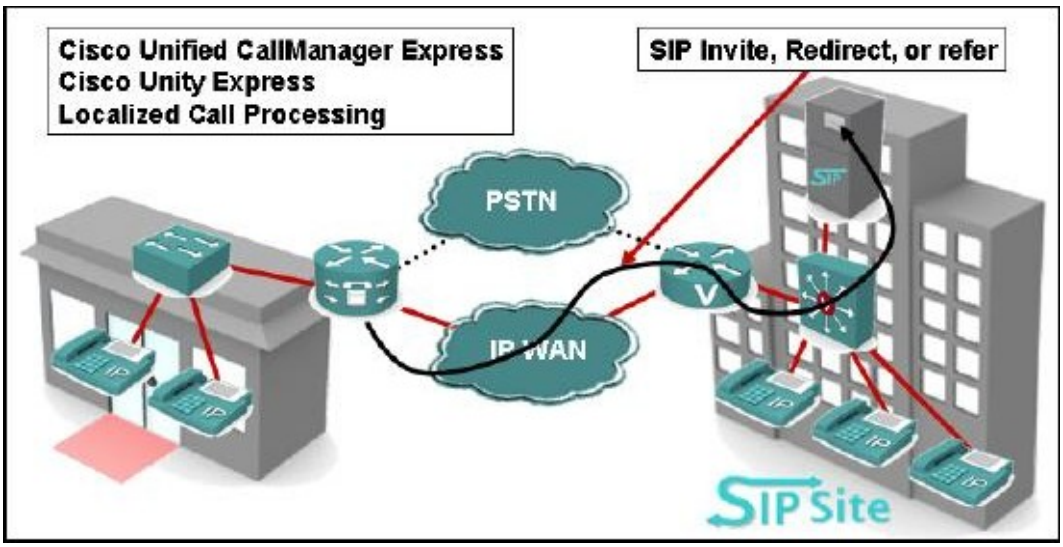
C.
```
ephone-dn 90
 number 5000
 name "Sales Admin"
 intercom 4999 label "Sales Admin" no-mute
```

D.
```
ephone-dn 91
 number A4999
 name "Sales Mgr"
 intercom A5000 label "Sales Mgr"
```

E.
```
ephone-dn 90
 number A5000
 name "Sales Admin"
 intercom A4999 label "Sales Admin" no-mute
```

Answer: DE

7. Refer to the exhibit. The Greene Supply Company is integrating Cisco Unified CallManager Express into a SIP network. Which two statements are accurate? (Choose two.)




A. SIP support in dial peers is a Cisco IOS function.

B. Use the notifybased DTMF relay mechanism that is proprietary to Cisco.

C. SIP support in Cisco IOS is a function of localized call processing integrated with Cisco Unity Express.
D. Use either the notifybased DTMF relay mechanism that is proprietary to Cisco or the RFCbased DTMF relay.

E. The SIP server must be configured for the E.164 numbers that are going to register with the Cisco CallManager Express database.
Answer:AD

8. Which mode allows you to configure the BACD service provided in Cisco Unified Communications Manager Express?

A. Tcl

B. telephony

C. application

D. IPtelephony

E. telephonyservice
Answer: C

9. Refer to the exhibit. Which command can be used to override all the blocked patterns in the afterhours configuration?

```
Acme1(config)#telephony-service
Acme1(config-telephony)#after-hours day mon 17:00 08:00
Acme1(config-telephony)#after-hours day tues 17:00 08:00
Acme1(config-telephony)#after-hours day wed 17:00 08:00
Acme1(config-telephony)#after-hours day thurs 17:00 08:00
Acme1(config-telephony)#after-hours day fri 17:00 08:00
Acme1(config-telephony)#after-hours day sat 17:00 08:00
Acme1(config-telephony)#after-hours day sun 17:00 08:00
Acme1(config-telephony)#after-hours block pattern 9011T 7-24
Acme1(config-telephony)#after-hours block pattern 91[2-9]..[2-9]……
Acme1(config-telephony)#after-hours block pattern 919[0,7][0,6]…… 7-24
Acme1(config-telephony)#after-hours block pattern 9[2-9]..[2-9]……
```

A. Configure the afterhours exempt command under the ephonedn command.

B. Configure the pin command under the ephone command.

C. Configure the afterhours exempt and pin commands under the ephonedn command.

D. Configure the no afterhours block pattern command under the ephone command.
Answer:A

10. Acme Co. is using a Cisco Unified Messaging Gateway to network two of their Cisco Unified Communications Manager Express/Cisco UnityExpress sites to each other. Site11is running CiscoUnity Express 2.3.4 and Cisco Unified Communications Manager Express 3.2 and site 12 is running Cisco Unified Communications Manager Express 4.2(0) and Cisco Unity Express 3.1. One of the sites autoregisters correctly with the Cisco Unified Messaging Gateway, but the other site does not. Which site is not autoregistering and what is the reason it is not registering? (Choose two.)

A. Site 11 is not autoregistering.

B. Cisco Unified Communications Manager Express 4.2 does not support Cisco Unified Messaging Gateway autoregistration.

C. Site 12 is not autoregistering.

D. Cisco Unity Express 2.3.4 does not support Cisco Unified Messaging Gateway autoregistration.

E. Cisco Unity Express 3.1 does not support Cisco Unified Messaging Gateway autoregistration.

F. Cisco Unified Communications Manager Express 3.2 does not support Cisco Unified Messaging Gateway autoregistration.
Answer:AD

11. Jerry's Fish Farm is installing in a Cisco Unified Communications Manager Express system at their new Sales facility. The office has 4 sales people that handle all incoming sales calls. The manager does not want to

have to have a receptionist to answer and route calls, so he wants all of the sales people phones to have the main sales phone number. He also wants them to all ring at the same time, allowing the first availabl e sales person to answer the call. What type of phone system model should they deploy?

A. Octel

B. Key

C. Centrex

D. PBX

E. PSTN
Answer: B

12. Refer to the exhibit. A configuration has been proposed for VPIM networking between two Cisco Unified Communications Manager Express routers using Cisco Unity Express. What component of the proposed configuration must be changed for this configuration to function properly?

```
network location id "11"
 abbreviation "CME1"
 email domain 192.168.1.10
 name "CME1"
 voicemail broadcast vpim-id CME1-broadcast
 voicemail vpim-encoding G729
 voicemail extension-length 4
 end location

network location id "12"
 abbreviation "CME2"
 email domain 192.168.2.10
 name "CME2"
 voicemail broadcast vpim-id CME2-broadcast
 voicemail vpim-encoding G729
 voicemail extension-length 4
 end location
```

A. Location IDs are invalid.

B. Email domain syntax is incorrect, must use DNS for VPIM networking.

C. VPIM broadcast IDs are invalid.

D. VPIM encoding is invalid.

E. Domains are not on the same network.
Answer: D

13. Refer to the exhibit. Which analog extension rings when an incoming call to 2151 arrives at FXO voiceport 0/0/0?

```
voice translation-rule 1
 rule 1 /*./ /2152/
!
voice translation-profile pstn-in
 translate called 1
!
voice-port 0/0/0
 translation-profile incoming pstn-in
 connection plar 2151
!
voice-port 0/1/0
 station-id number 2151
!
voice-port 0/1/1
 station-id number 2152
!
dial-peer voice 50 pots
 incoming called-number .%
 port 0/0/0
!
dial-peer voice 2151 pots
 destination-pattern 2151
 port 0/1/0
!
dial-peer voice 2152 pots
 destination-pattern 2152
 port 0/1/1
```

A. Extension 2152 rings.

B. Extension 2151 rings.

C. The call fails because the voice translation rule conflicts with connection plar.

D. Extension 2152 rings first and 2151 rings next.

E. Both extensions ring simultaneously.
Answer: B

14. Which figure shows E&M voiceport configuration?

A.
```
voice-port 0/3/0
  operation 2-wire
  type 1
  signal  wink-start
```

B.
```
voice-port  0/0/0
  operation 4-wire
  type 1
  signaling wink-start
```

C.
```
voice-port 0/0/0
  operation 2-wire
  type 2
  signaling wink-start
 cptone AU
```

D.
```
voice-port 0/2/0
  signaling loopstart
  cptone GB
  station-id number 1781
  ring number 3
```

E.
```
voice-port 0/2/0
  signal loopstart
  cptone GB
  station-id number 1781
  ring number 3
```

F.
```
voice-port 0/2/0
  signal loopstart
  cptone GB
  station-id number 1781
  ring number  2
```

Answer:A

15. An
IT manager has been trying to configure Cisco Unified CallManager Express without success. The IT manager has decided that there might be more success with the Automated Setup Utility. To start this process, what command should be executed first?

A. autosetup

B. auto assign

C. no telephonyservice

D. auto telephonyservice

E. telephonyservice auto

F. telephonyservice setup
Answer: C