

600-212^{Q&As}

Implementing Cisco Service Provider Mobility LTE Networks

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QUESTION 1

Which option describes local-user accounts on the Cisco ASR 5000?

- A. The local-user account is ANSI T1.276-2003 compliant.
- B. The local-user account can be configured only in the local context.
- C. The local-user account allows for privilege-level escalation on a context level.
- D. The local-user account can be accessed only from the serial port.

Correct Answer: A

QUESTION 2

Which authentication protocol is used for the S6b interface?

- A. EAP-TLS
- B. EAP-AKA
- C. IPsec
- D. SSL

Correct Answer: B

QUESTION 3

A subscriber is moving from LTE to GERAN/UTRAN and the SGSN is Release 7 3GPP. Which two statements about this situation are true? (Choose two.)

- A. The SGW has a GTPv2 tunnel towards SGSN
- B. The PGW has a GTPv2 tunnel towards SGSN
- C. The PGW has a GTPv1 tunnel on the S8 interface toward the SGW.
- D. The PGW has a GTPv2 tunnel on the S8 interface toward the SGW.

Correct Answer: AD

QUESTION 4

Exhibit:

```

Context Gi-Context-1
apn pgw-test
  selection-mode subscribed
  ip address pool name pgw-pool-1
  authentication msisdn-auth
  apn-ambr rate-limit direction downlink burst-size auto-readjust duration 1 violate-action drop
  apn-ambr rate-limit direction uplink burst-size auto-readjust duration 1 violate-action drop
  ip context-name Gi-Context-2
  mediation-device no-interims delay-GTP-response
#exit

aaa group radius-1
  radius accounting deadline 1
  radius accounting max-retries 0
  radius accounting max-transmissions 4
  radius attribute nas-ip-address address 192.168.58.198
  radius attribute nas-identifier DN680-NGME-1
  no radius accounting archive
  radius dictionary 3gpp
  radius server 10.24.59.75 key cisco1 port 1812
  radius accounting server 10.24.59.75 encrypted key 01abd002c82b4a2c port 1813
#exit

aaa group radius-2
  radius accounting deadline 4
  radius accounting max-retries 2
  radius accounting max-transmissions 5
  radius attribute nas-ip-address address 192.168.58.198
  radius attribute nas-identifier DN680-NGME-1
  no radius accounting archive
  radius dictionary 3gpp
  radius server 10.24.59.76 key cisco1 port 1812
  radius mediation-device accounting server 10.24.59.76 encrypted key 01abd002c82b4a2c port 1813
#exit

Context Gi-Context-2

aaa group radius-3
  radius attribute nas-ip-address address 191.167.57.190
  radius server 10.0.133.10 key cisco1 port 1812
  radius accounting server 10.0.133.10 encrypted key 01abd002c82b4a2c port 1813
#exit

aaa group radius-4
  radius attribute nas-ip-address address 191.167.57.191
  radius server 10.0.133.11 key cisco1 port 1812
  radius mediation-device accounting server 10.0.133.11 encrypted key 01abd002c82b4a2c port 1813
#exit
  
```

Refer to the exhibit. Which aaa group must be associated with the APN pgw-test?

- A. radius-2
- B. radius-1
- C. radius-4
- D. radius-3

Correct Answer: B

QUESTION 5

Exhibit: Refer to the exhibit. Which option is the Mobile Network Code and the Mobile Country Code of the serving node?

```

CDR ELEMENTS FOLLOW
recordType                PGWRECORD
servedIMSI                262122005804973
p-GWAddress               109.7.139.244
chargingID                528657833
servingNodeAddress        109.7.142.57
accessPointNameNI         fixed.voice.opr.in
pdpPDNType                IPV4
servedPDPDNAddress        10.106.104.36
dynamicAddressFlag        TRUE
recordOpeningTime         140130112702+0100
duration                  33
causeForRecClosing        Normal Release
diagnostics                26
nodeID                    1095ECS1
localSequenceNumber       960249
servedMSISDN              4915204619999
chargingCharacteristics    Normal
chChSelectionMode         Home Default
servinggNodePLMNIdentifier 262, 02
rATType                    eUTRAN
mSTimeZone                +01:00
ratingGroup                56
chargingRuleBaseName       fixed_voice
serviceConditionChange     PDP context release
qCI                        1
aRP                        92
servingNodeAddress        109.7.142.57

```

- A. MNC 002 MCC 262
- B. MNC 020 MCC 262
- C. MNC 012 MCC 262
- D. MNC 120 MCC 622

Correct Answer: A

QUESTION 6

Which three options are charging characteristic selection modes for S-GW/P-GW? (Choose three.)

- A. home default
- B. visiting default
- C. APN specific
- D. roaming default

- E. subscription specific
- F. serving node specific

Correct Answer: ABD

QUESTION 7

When a subscriber is connected over 3GPP access and is in a local breakout scenario, which interface is used by the PGW for sending downlink data traffic for inbound roaming subscribers?

- A. S12
- B. S10
- C. S5
- D. S8
- E. S2a

Correct Answer: C

QUESTION 8

Which two nodes exchange the create indirect data tunnel request during LTE to UMTS handover? (Choose two.)

- A. source MME to target SGW
- B. source MME to target SGSN
- C. target SGSN to target SGW
- D. source MME to source SGW

Correct Answer: CD

QUESTION 9

Which two statements apply during the attach procedure on an MME? (Choose two.)

- A. The attach procedure provides an always-on IP connectivity to the subscriber.
- B. Multiple default bearers can be established during the attach procedure.
- C. A dedicated bearer can also be established during the attach procedure.
- D. The additional guti value in the attach request is derived from a PTMSI.
- E. The attach request is always integrity protected.

Correct Answer: AC

QUESTION 10

Which protocol does the IMS client use to register with IMS core?

- A. Diameter Protocol
- B. Session Initiation Protocol
- C. GPRS Tunneling Protocol
- D. Real-time Transport Control Protocol

Correct Answer: B

QUESTION 11

Drag the LTE interface on the left to the node on the right that it operates between.	
S3	eNodeB and Serving Gateway
S8	Packet Data Network Gateway and Serving Gateway
S5	Packet Data Network Gateway and Serving Gateway (VPLMN)
S1u	Mobility Management Entity and Serving GPRS Support Node

Select and Place:

Drag the LTE interface on the left to the node on the right that it operates between.	
S3	eNodeB and Serving Gateway
S8	Packet Data Network Gateway and Serving Gateway
S5	Packet Data Network Gateway and Serving Gateway (VPLMN)
S1u	Mobility Management Entity and Serving GPRS Support Node

Correct Answer:

Drag the LTE interface on the left to the node on the right that it operates between.	
	S1u
	S5
	S8
	S3

QUESTION 12

Which two Transport protocols can be used for the S6a interface? (Choose two.)

- A. SCTP
- B. TCP
- C. UDP
- D. FCP
- E. RDP

Correct Answer: AB

QUESTION 13

Which two methods are used for Lawful Intercept provisioning? (Choose two.)

- A. Stake out provisioning
- B. Camp-on provisioning provisioning
- C. Active call provisioning
- D. Surveillance provisioning
- E. Circuit tap provisioning

Correct Answer: BC

QUESTION 14

Which application protocol is used by the SWx reference point?

- A. RADIUS
- B. Diameter
- C. TCP
- D. GTPv2

Correct Answer: B

QUESTION 15

In which two ways is P-CSCF discovered by the Voice over LTE IMS client? (Choose two.)

- A. Retrieve the list of P-CSCF information that is stored locally on the IMS client.
- B. Obtain P-CSCF information from other registered IMS clients.
- C. Retrieve the list of P-CSCF information from the Mobility Management Entity.
- D. Obtain P-CSCF information in the protocol configuration options during bearer context activation.
- E. Obtain P-CSCF information from the Telephony Application Server during IMS registration.

Correct Answer: AD

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