



# 600-210<sup>Q&As</sup>

Implementing Cisco Service Provider Mobility UMTS Networks

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**QUESTION 1**

Which failure code is sent in the authentication reject message when a UE with USIM fails to receive the AUTN as part of the authentication and ciphering request from the SGSN?

- A. GSM authentication unacceptable
- B. MAC failure
- C. SYNC failure
- D. RAND failure
- E. UMTS authentication unacceptable

Correct Answer: A

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**QUESTION 2**

Which node is configured with a Network Mode of Operation value of 1 to be able to support combined attach and routing area update procedures?

- A. RNC
- B. GGSN
- C. S4-SGSN
- D. SIM
- E. HLR

Correct Answer: A

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**QUESTION 3**

Which option describes how DNS snooping is used on the Cisco ASR 5000?

- A. DNS snooping allows the Cisco ASR 5000 to snoop DNS query packets and compare against known DNS responses. If a match is found, the Cisco ASR 5000 replies to the query itself instead of forwarding the query to the destination DNS server.
- B. DNS snooping allows the Cisco ASR 5000 to detect if a DNS response sent back to a subscriber is valid. If the response is invalid, the Cisco ASR 5000 drops the packet.
- C. DNS snooping allows the Cisco ASR 5000 to enable set of dynamic IP rules to be installed based on the response to DNS queries sent by a subscriber that matches a configured domain rule definition. Dynamic IP rules are created for



these IP entries within the same rule that has the domain name, which applies the same charging action to these dynamic rules.

D. DNS snooping allows the Cisco ASR 5000 to enable set of dynamic domain rules to be installed based on the response to DNS queries sent by a subscriber that matches a configured domain rule definition. Dynamic domain rules are created for the DNS responses within the same rule that has the domain name, which applies the same charging action to these dynamic rules.

Correct Answer: C

#### QUESTION 4

Drag and arrange the steps on the left in the correct order on the right that indicates how DPC+ SSN based routing in SGSN is performed on the Cisco ASR 5000.

SS7 routing domain from the SCCP network is picked and point code in the SS7 RD is available	First
SCCP network in the map-service	Second
SSN service state is in-service in the SCCP network	Third
DPC in the SCCP network is accessible	Fourth

Select and Place:

Drag and arrange the steps on the left in the correct order on the right that indicates how DPC+ SSN based routing in SGSN is performed on the Cisco ASR 5000.

SS7 routing domain from the SCCP network is picked and point code in the SS7 RD is available	First
SCCP network in the map-service	Second
SSN service state is in-service in the SCCP network	Third
DPC in the SCCP network is accessible	Fourth

Correct Answer:

Drag and arrange the steps on the left in the correct order on the right that indicates how DPC+ SSN based routing in SGSN is performed on the Cisco ASR 5000.

	SCCP network in the map service
	SS7 routing domain from the SCCP network is picked and point code in the SS7 RD is available
	DPC in the SCCP network is accessible
	SSN service state is in-service in the SCCP network

**QUESTION 5**

Which two rating groups would be included within the AVP Multiple-Services-Credit-Control within the CCR-I message by the Cisco ASR 5000 GGSN? (Choose two.)

- A. 100
- B. 400
- C. 300
- D. 200
- E. 500

Correct Answer: CD

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**QUESTION 6**

Refer to the exhibit.

```
charging-action cg-1
  content-id 100
  cca charging-credit

ruledef icmp-any
  icmp any-match = true

rulebase rulebase-1
  action priority 100 ruledef icmp-any charging-action cg-1

credit-control group test
  diameter endpoint gy-1
  diameter send-ccri traffic-start
```

Which three Diameter AVPs are sent within the CCR-I request to the OCS? (Choose three.)

- A. Session-ID
- B. Used-Service-Unit
- C. Request-Service-Unit
- D. 3GPP-Quota-Consumption-Time
- E. Subscription-ID



F. Event-Trigger

Correct Answer: ACE

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#### QUESTION 7

In which two scenarios is a create bearer request sent from the SGW to the SGSN on the S4 interface? (Choose two.)

- A. secondary PDP context activation procedure
- B. network-requested secondary PDP context activation procedure
- C. network-triggered service request procedure
- D. when downlink data arrives for the released bearers
- E. PGW restart restoration procedure

Correct Answer: AB

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#### QUESTION 8

An airport is providing free one-hour mobile Internet service for passengers. At the end of the free onehour service, the PCRF sends a Diameter command to the mobile packet core to stop the free service. Which Diameter command is sent by the PCRF?

- A. CCR-U
- B. RAR
- C. CCR-T
- D. STA
- E. RAA

Correct Answer: B

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#### QUESTION 9

Which option describes the ICAP protocol?

- A. ICAP is a protocol designed to enable inter-device communications for different vendor systems to share information about subscribers in a common format. ICAP allows for subscriber session control for actions such as session disconnect and suspension.



B. ICAP is a protocol designed to enable subscribers to communicate in a peer-to-peer network for file sharing purposes and is often used to circumvent upstream content filtering.

C. ICAP is a communication access package consisting of a mixed platform of services such as web, FTP, and authentication. ICAP is used to minimize the deployment footprint and expedite new offerings for Internet service providers.

D. ICAP is a protocol designed to support dynamic content filtering, insertion, and modification of web pages. ICAP allows interaction with external content servers such as parental control (content filtering) servers to provide content filtering service support.

Correct Answer: D

### QUESTION 10

Which two parameters are used on the Cisco ASR 5000 GGSN to build the RADIUS authentication attribute Acct-Session-ID, sent within the RADIUS Disconnect-Request? (Choose two.)

- A. charging-ID
- B. IMSI
- C. RADIUS client IP address
- D. NSAPI
- E. framed-IP-address
- F. username

Correct Answer: AC

### QUESTION 11

Drag the GTP messages on the left to their procedure functionality on the right.

create PDP context request	network-requested PDP context activation procedure
update PDP context request message	inter SGSN SRNS procedure
PDU notification request	GPRS modification procedure
SGSN context acknowledge	GPRS PDP context activation procedure
forward relocation request	inter SGSN routing area update procedure

Select and Place:



Drag the GTP messages on the left to their procedure functionality on the right.

create PDP context request	network-requested PDP context activation procedure
update PDP context request message	inter SGSN SRNS procedure
PDU notification request	GPRS modification procedure
SGSN context acknowledge	GPRS PDP context activation procedure
forward relocation request	inter SGSN routing area update procedure

Correct Answer:

Drag the GTP messages on the left to their procedure functionality on the right.

	PDU notification request
	forward relocation request
	update PDP context request message
	create PDP context request
	SGSN context acknowledge

### QUESTION 12

Which option describes the message that establishes the direct tunnel between RNC and GGSN?

- A. SGSN context request/response and modify PDP context request/response
- B. SGSN: Initiated update PDP context request/response and RAB assignment request/response
- C. GGSN: Initiated update PDP context request/response and RAB assignment request/response
- D. SGSN: Initiated update PDP context request/response and modify PDP context request/response

Correct Answer: B

### QUESTION 13

Which IP protocol number is used by GRE?

- A. 41
- B. 47
- C. 14



D. 51

E. 57

Correct Answer: B

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#### QUESTION 14

Which option is the page response for a PS paging request in 2G access?

A. service request with type "data"

B. service request with type "page response"

C. any uplink LLC PDU from MS/BSC

D. any uplink BSSGP PDU from MS/BSC

E. service request with type "signaling"

Correct Answer: C

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#### QUESTION 15

Which two options are benefits of Port Resource Pooling? (Choose two.)

A. allows for increased number of network-requested PDP activations

B. reduces the number of GGSN initiated deactivate procedure

C. provides resiliency

D. reduces the signaling towards the SMSC

E. reduces the number of inter-SGSN RAU procedures

Correct Answer: CD

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