



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

Implementing Cisco Service Provider Mobility UMTS Networks

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**QUESTION 1**

When the failure handling mode is configured as Terminate, which behavior is expected on the GGSN when the OCS sends the diameter result code=4012 within the MSCC in CCA-U message?

- A. The GGSN retries sending the CCR-U to the secondary OCS if available, and then terminates the PDP.
- B. The GGSN terminates the PDP.
- C. The GGSN allows the PDP to continue as an offline session, which disables the Gy interface.
- D. The GGSN blacklists the rating group listed within the MSCC AVP.

Correct Answer: D

**QUESTION 2**

Drag the protocol on the left to its port number on the right.

FTP	22
HTTP	25
SMTP	80
DNS	53
SSH	21

Select and Place:

Drag the protocol on the left to its port number on the right.

FTP	22
HTTP	25
SMTP	80
DNS	53
SSH	21

Correct Answer:



Drag the protocol on the left to its port number on the right.

	SSH
	SMTP
	HTTP
	DNS
	FTP

### QUESTION 3

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

### QUESTION 4

According to RFC 4006, for which two purposes is Diameter Control Credit Application designed? (Choose two.)

- A. authentication and authorization of access
- B. real-time content charging
- C. credit card payment authorization online
- D. credit authorization of prepaid users
- E. billing for postpaid users
- F. IMS core authorization
- G. collection of user statistics

Correct Answer: BE



#### QUESTION 5

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

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#### QUESTION 6

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 7



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 8

Drag the Diameter result code on the left to its matching description on the right.

2001	Diameter AVP is unsupported.
3003	Diameter authentication is rejected.
4001	Diameter request is processed successfully.
5001	Diameter realm is not recognized.

Select and Place:



Drag the Diameter result code on the left to its matching description on the right.

2001	Diameter AVP is unsupported.
3003	Diameter authentication is rejected.
4001	Diameter request is processed successfully.
5001	Diameter realm is not recognized.

Correct Answer:

Drag the Diameter result code on the left to its matching description on the right.

	5001
	4001
	2001
	3003

### QUESTION 9

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 10

Which two options describe two reasons for deploying MPLS on GGSN? (Choose two.)

- A. Ensure faster routing.
- B. Replace RIP.
- C. Allow overlapping IP addressing in different APNs.
- D. Segregate corporate APN traffic.
- E. Replace GRE tunnels.

Correct Answer: CD

### QUESTION 11

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 12**

Drag the SCCP Services on the left to match the corresponding protocol class on the right.

Basic connection-oriented	Class 0
Error recovery and flow control connection oriented	Class 1
Basic connectionless	Class 2
Sequenced connectionless	Class 3
Flow control connection oriented	Class 4

Select and Place:

Drag the SCCP Services on the left to match the corresponding protocol class on the right.

Basic connection-oriented	Class 0
Error recovery and flow control connection oriented	Class 1
Basic connectionless	Class 2
Sequenced connectionless	Class 3
Flow control connection oriented	Class 4

Correct Answer:

Drag the SCCP Services on the left to match the corresponding protocol class on the right.

	Basic connectionless
	Sequenced connectionless
	Basic connection-oriented
	Flow control connection oriented
	Error recovery and flow control connection oriented

**QUESTION 13**

Which option lists the correct order of the SS7 routing flow in the Cisco ASR 5000 SGSN system?

A. The call control profile is checked for any rejection, then the map-service is checked for any form of routing definitions.

B. The map-service is checked for any form of routing definitions, then the call control profile is checked for any rejection.





C. The call control profile is checked for any rejection, then the SGSN-Service is checked for any rejection.

D. The SGSN service is checked for any rejection, then the call control profile is checked for any rejection.

Correct Answer: A

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#### QUESTION 14

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 15

Which organization developed and maintains the Universal Mobile Telecommunications System?

A. 3GPP2

B. 3GPP

C. ITU

D. ANSI

Correct Answer: B

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