

600-210^{Q&As}

Implementing Cisco Service Provider Mobility UMTS Networks

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QUESTION 1

According to 3GPP standards, which option is the interface between the Charging Data Function and the Charging Gateway Function?

- A. Gz
- B. Gc
- C. AAA
- D. Rf
- E. Ga

Correct Answer: E

QUESTION 2

Which statement describes HTTP header enrichment and its uses?

- A. HTTP header enrichment allows the operator to define a policy that inserts x-header fields into HTTP POST or GET request packets to provide specific subscriber information such as IMSI or MSISDN to the HTTP server without changing the protocol.
- B. HTTP header enrichment is the process that allows HTTP headers to be compressed for optimal transfer across the network.
- C. HTTP header enrichment allows the operator to define a policy that detects the HTTP packet that requires header enrichment. If a match occurs, the policy drops the packet, modifies the packet inline with quality of service definitions, or creates a log message and forwards the packet unmodified.
- D. HTTP header enrichment is the process in which a HTTP packet is analyzed for missing or partial header fields. If missing fields are detected or incomplete, the Cisco ASR 5000 can then take action to insert a new header, repair an existing header, create a log entry, and forward the packet.

Correct Answer: A

QUESTION 3

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

QUESTION 4

Which version of GTP supports piggybacking of GTP messages?

- A. GTPv0
- B. Gn-prime
- C. GTPv1
- D. GTPv2
- E. GTPv1-prime

Correct Answer: D

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

QUESTION 6

When Wi-Fi offloading is enabled, which authentication protocol is used by the TTG over the Wm interface to authenticate/retrieve subscription information at the time of PDP activation?

- A. IPsec
- B. EAP
- C. SSL
- D. CHAP

Correct Answer: B

QUESTION 7

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

QUESTION 8

Which two nodes implement the GTP-U protocol in a UMTS network? (Choose two.)

- A. Gateway GPRS Support Node
- B. Base Station Controller
- C. Radio Network Controller
- D. Home Location Registrar
- E. Mobility Management Entity
- F. Mobile Switching Center

Correct Answer: AB

QUESTION 9

Which two functionalities does an update PDP context request sent from the GGSN to the SGSN provide? (Choose two.)

- A. Provide a PDP address to the MS.
- B. Check that the PDP context is active.
- C. Delete a PDP context from the SGSN.
- D. Establish a network-requested secondary PDP context activation procedure.
- E. Establish a network-requested primary PDP context activation procedure.

Correct Answer: AB

QUESTION 10

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 11

Which statement about the sgtp-service configuration on the Cisco ASR 5000 SGSN system is true?

- A. sgtp-service should be in the same context as sgsn-service.
- B. An operator policy configuration that associates the sgtp-service should be present.
- C. GTPC and GTPU bind address shall be different in the sgtp-service.
- D. sgtp-service can be associated with multiple GTPU services.
- E. Only one GTPC bind address can be present in the sgtp-service.

Correct Answer: E

QUESTION 12

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 13

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 14

Which two functions does the SGSN perform? (Choose two.)

- A. mobility management
- B. charging
- C. dynamic IP address allocation to a subscriber
- D. dynamic policy control
- E. deep packet inspection

Correct Answer: AB

QUESTION 15

Which two options are functions of the Diameter base protocol? (Choose two.)

- A. offline billing
- B. policy control

C. transporting CDRs

D. streaming

E. retrieving PDP context information

Correct Answer: AB

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