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**Vendor:**Cisco

**Exam Code:**600-210

**Exam Name:**Implementing Cisco Service Provider  
Mobility UMTS Networks

**Version:**Demo

### QUESTION 1

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 2

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

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### QUESTION 3

In which three ways can a GTPv2 tunnel in each node of the UMTS/LTE network be identified? (Choose three.)

- A. TEID
- B. IP address
- C. UDP port number
- D. sequence number

- E. negotiated QoS per PDP
- F. negotiated QoS per PDN

Correct Answer: ABC

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#### QUESTION 4

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 5

Your company is adding additional subscriber IP network ranges and requires many-to-one NAT to be configured on the Cisco ASR 5000 for the subscriber IP network 10.11.23.0/24. The public IP range is 172.20.21.20 172.20.21.110, and each IP has no more than 100 subscribers. Which configuration option accomplishes this task?

- A. active-charging service ACS\_ACME access-ruledef apn\_cisco ip src-address = 10.11.23.0/24 fw-and-nat policy base\_1 access-rule priority 1 access-ruledef apn\_cisco permit nat-realm nat\_pool1 nat policy nat-required default-nat-realm nat\_pool1 rulebase acme\_rulebase fw-and-nat default-policy base\_1 context cisco ip pool nat\_pool1 range 172.20.21.20 172.20.21.110 napt-users-per-ip-address 100
- B. active-charging service ACS\_ACME access-ruledef apn\_cisco ip src-address = 10.11.0.0/16 fw-and-nat policy base\_1 access-rule priority 1 access-ruledef apn\_cisco permit nat-realm nat\_pool1 nat policy nat-required default-nat-realm nat\_pool1 rulebase acme\_rulebase fw-and-nat default-policy base\_1 context cisco ip pool nat\_pool1 range 172.20.21.20 172.20.21.110 napt-users-per-ip-address 1000
- C. active-charging service ACS\_ACME access-ruledef apn\_cisco ip src-address = 10.11.23.0/24 nat-and-pat policy nat\_1 access-rule priority 1 access-ruledef apn\_cisco permit nat-realm nat\_pool1 nat policy nat-required default-nat-realm nat\_pool1 context cisco ip pool nat\_pool1 range 172.20.21.20 172.20.21.29 napt-users-per-ip-address 100
- D. active-charging service ACS\_ACME access-ruledef apn\_cisco ip src-address = 10.11.23.0/24 fw-and-nat policy base\_1 access-rule priority 1 access-ruledef apn\_cisco permit nat-realm nat\_pool1 nat policy nat-required default-nat-realm nat\_pool1 rulebase acme\_rulebase fw-and-nat default-policy base\_1 context cisco ip pool nat\_pool1 range 172.20.21.20 172.20.21.29 napt-users-per-ip-address 100

Correct Answer: A

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**QUESTION 6**

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 7**

Which two nodes are introduced as part of UMTS as defined by 3GPP standards? (Choose two.)

- A. SGSN
- B. GGSN
- C. RNC
- D. VLR
- E. NodeB
- F. VLR

Correct Answer: CE

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**QUESTION 8**

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

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#### **QUESTION 9**

Which version of GTP supports piggybacking of GTP messages?

A. GTPv0

B. Gn-prime

C. GTPv1

D. GTPv2

E. GTPv1-prime

Correct Answer: D

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#### **QUESTION 10**

Which action does an S4-SGSN take when it receives a secondary PDP context request from the UE?

A. A bearer resource command is sent to the SGW.

B. A create bearer request is sent to the SGW.

C. A create session request is sent to the SGW.

D. A create PDP context request is sent to the SGW.

Correct Answer: A

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### QUESTION 11

Which option describes how a PDN connection context is identified at the PGW?

- A. IMSI and EPS bearer ID
- B. IMSI, EPS bearer ID, and interface type
- C. IMSI, QoS, and EPS bearer ID
- D. MSISDN, QoS, and interface type

Correct Answer: B

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### QUESTION 12

Your company has decided to implement URL blacklisting for the ACME company rulebase and discard any blacklisted matches found in subscriber HTTP traffic. Which configuration accomplishes this task?

- A. active-charging service acme\_acs url-blacklisting method exact-match rulebase acme\_rulebase urlblacklisting action discard
- B. active-charging service acme\_acs url-blacklisting method exact-match rulebase acme\_rulebase urlblacklisting action terminate-flow
- C. active-charging service acme\_acs url-blacklisting method http post url-blacklisting method http get rulebase acme\_rulebase url-blacklisting action discard
- D. active-charging service acme\_acs url-blacklisting method http post url-blacklisting method http get rulebase acme\_rulebase url-blacklisting action terminate-flow

Correct Answer: A