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QUESTION 1

An engineer notices that too many prefixes are being sent from the CE to PE. To try to reduce the number of prefixes that the CE is sending, the engineer wants to summarize these prefixes: 192.168.0.0/24, 192.168.1.0/24, 192.168.2.0/23 and 192.168.4.0/22. Which summary route covering four prefixes results in the smallest prefix length?

- A. 192.168.0.0/19
- B. 192.168.0.0/20
- C. 192.168.0.0/21
- D. 192.168.0.0/22

Correct Answer: C

QUESTION 2

A networking engineer plans to create three consecutive subnets. The first subnet will support 300 hosts. The second subnet will support 200 hosts third subnet will support 180 hosts. Which subnet mask is the exact summary to use if the engineer wants to advertise one range that covers all three subnets?

- A. 255.255.255.0
- B. 255.255.252.0
- C. 255.255.255.128
- D. 255.255.254.0

Correct Answer: B

QUESTION 3

Which two components are used when creating an endpoint's modified EUI-64 format IPv6 address? (Choose two.)

- A. hexadecimal value of 0xFFFE
- B. 48-bit MAC address
- C. 64-bit MAC address
- D. Link local suffix
- E. IPv4 address

Correct Answer: AB

QUESTION 4



Refer to the exhibit.

```
Router>enable
Router#configure terminal
Router(config)#hostname R1
R1(config)#username R2 password cisco
R1(config)#interface serial 0/0/0
R1(config-if)#encapsulation ppp
R1(config-if)#ppp authentication chap
R1(config-if)#exit

Router>enable
Router#configure terminal
Router(config)#hostname R2
R2(config)#username R1 password cisco
R2(config)#interface serial 0/0/0
R2(config-if)#encapsulation ppp
R2(config-if)#ppp authentication pap
R2(config-if)#exit
```

Based on the configurations shown, why is the serial link in up/down status?

- A. Mismatch hostnames
- B. Passwords are in plain text
- C. Mismatch of authentication type
- D. Wrong configuration mode for command input

Correct Answer: C

QUESTION 5

A centralized DHCP server has been setup for customer use. What command is required on the customer Switched Virtual Interface (SVI) to allow clients to receive addresses from this server?

- A. switch(config-if)#ip helper-address
- B. switch(config)#ip helper-address
- C. switch(config-if)#ip dhcp-address
- D. switch(config-if)#ip dhcp-gateway
- E. switch(config-if)#helper-address



Correct Answer: A

QUESTION 6

When two or more different routes exist to the same destination that have been learned from two different routing protocols, what does a router use to determine the best route?

- A. Routing protocol metric
- B. Administrative distance
- C. Hop count
- D. Path cost
- E. Local preference

Correct Answer: B

QUESTION 7

Which two binary IP addresses are class B addresses? (Choose two.)

- A. 10000001 11110011 11100011 10101010
- B. 11010011 00110101 11111110 11001100
- C. 00110101 00001111 11110000 00001110
- D. 01111111 11111111 11111111 11111111
- E. 10110001 00000000 10110001 00000001

Correct Answer: AE

QUESTION 8

Which statement regarding the GRE protocol is true?

- A. It uses IP protocol 50
- B. It provides encryption
- C. It is the default mode for tunnels
- D. It can transport unicast traffic only

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus3000/sw/interfaces/6_x/b_Cisco_n3k_Interfaces_Configuration_Guide_602_U11/configuring_ip_tunnels.pdf



QUESTION 9

Which SNMPv2/SNMPv3 operation is not supported in Cisco IOS XR software?

- A. get-bulk
- B. get-request
- C. inform
- D. trap
- E. set-request

Correct Answer: C

QUESTION 10

Which three statements about Cisco Discovery Protocol operations on a Cisco ME3400 switch are true? (Choose three.)

- A. Cisco Discovery Protocol is enabled by default on NNI ports.
- B. Cisco Discovery Protocol is enabled by default on all NNI, ENI, and UNI ports.
- C. Cisco Discovery Protocol is disabled by default on ENI ports.
- D. Cisco Discovery Protocol is not supported on NNI or ENI ports.
- E. Cisco Discovery Protocol is not supported on UNI ports.

Correct Answer: ACE

QUESTION 11

The network administrator is using a Windows PC application that is called putty.exe for remote communication to a switch for network troubleshooting. Which two protocols could be used during this communication? (Choose two).

- A. SNMP
- B. HTTP
- C. Telnet
- D. RMON
- E. SSH

Correct Answer: CE



QUESTION 12

Which EIGRP feature in IOS, IOS-XE, and IOS-XR will prevent the EIGRP process from automatically forming a neighbor adjacency?

- A. Access-lists
- B. Link speed and duplex
- C. MTU Size
- D. Passive interface
- E. Bandwidth and delay

Correct Answer: D

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