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QUESTION 1

Which three statements correctly describe DSL-based Internet services for residential users? (Choose three.)

A. Most residential deployments use PPPoE encapsulation where the end user PC or the DSL CPE will require a PPP username and password configuration.

B. Most residential deployments use PPPoA encapsulation where the DSL CPE device needs to provide Layer 3 routing functions.

C. The most commonly installed DSL variant for residential deployments is ADSL.

D. The most commonly installed DSL variant for residential deployments is SDSL.

E. The most commonly installed DSL variant for residential deployments is HDSL.

F. At the DSL service provider location, a DSLAM typically is used to terminate all the PPP connections of the DSL subscribers.

G. At the DSL service provider location, a DSLAM is used to terminate and then aggregate the DSL connections over an ATM network.

Correct Answer: ACG

QUESTION 2

Refer to the exhibit.

8 hosts   14 hosts
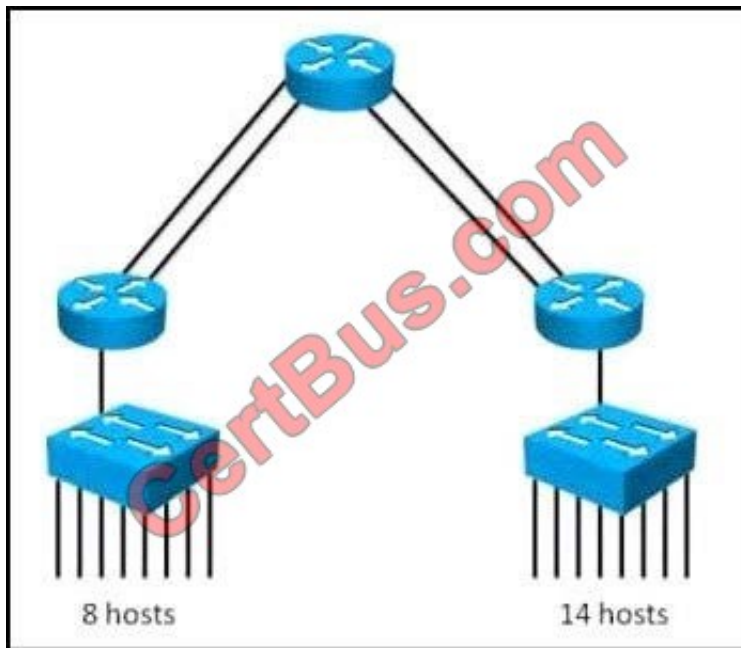
Using a single Class C network of 192.168.1.0/24 and VLSM, which two options specify the number of subnets that are needed to support this network and what are the minimum sizes of the required subnets? (Choose two.)

A. 4 subnets

B. 6 subnets

C. 8 subnets

D. 26 subnets

E. 28 subnets

F. Two /30 subnets + one /28 subnets + one /29 subnets

G. Four /30 subnets + two /28 subnets

H. Six /30 subnets + two /28 subnets I. Twenty six /30 subnets

J. Twenty eight /30 subnets

Correct Answer: BG

QUESTION 3

What is the default spanning-tree mode of an NNI port on a Cisco ME3400 switch?

A. Multiple spanning tree (mst)

B. Per-vlan rapid spanning tree (rapid-pvst)

C. Per-vlan spanning tree (pvst)

D. IEEE 802.1D (stp)

Correct Answer: B

QUESTION 4

Refer to the exhibit.

```
PE8#show logging

Syslog logging: enabled (0 messages dropped, 4 messages rate-limited, 0 flushes, 0 overruns, xml disabled, filtering disabled)

No Active Message Discriminator.

No Inactive Message Discriminator.

    Console logging: level emergencies, 169 messages logged, xml disabled,
                filtering disabled
    Monitor logging: level debugging, 0 messages logged, xml disabled,
                filtering disabled
    Buffer logging:  disabled, xml disabled,
                filtering disabled
    Exception Logging: size (8192 bytes)
    Count and timestamp logging messages: disabled
    Persistent logging: disabled

No active filter modules.

    Trap logging: level critical, 127 message lines logged
        Logging to 1.1.1.1  (udp port 514, audit disabled,
            link up),
        2 message lines logged,
        0 message lines rate-limited,
        0 message lines dropped-by-MD,
        xml disabled, sequence number disabled
        filtering disabled
```

Which three statements about this show output are true? (Choose three.)

A. Logging to the circular logging buffer has been disabled.

B. All severity levels messages can be logged to the terminal lines other than the console.

C. The logging facility has been set to "critical".

D. Messages with Severity Levels 0, 1, and 2 are sent to the syslog server.

E. 169 messages have been sent to the syslog server.

F. The logging buffer size is set to 8192 bytes.

Correct Answer: ABD

QUESTION 5

What is the SDH equivalent of the SONET STS-12 framing format?

A. SDH STM-1

B. SDH STM-4

C. SDH STM-12

D. SDH STM-16

E. SDH STM-64

Correct Answer: B

QUESTION 6

Given the CIDR address range of 200.165.160.0 to 200.165.191.255, what is the CIDR block?

A. 200.165.160.0/17

B. 200.165.160.0/18

C. 200.165.160.0/19

D. 200.165.160.0/20

E. 200.165.160.0/21

Correct Answer: C

QUESTION 7

DRAG DROP

Drag the Cisco IOS XR CLI command from the left and drop it on the most appropriate OSI layer(s) on the right that can be used to verify the operations at that OSI layer.

Select and Place:

Correct Answer:

QUESTION 8

Which statement is true when using VRF?

A. Overlapping IP addresses can be used without conflict

B. Multiple instances of a routing table cannot coexist on the same router

C. Routing instances must not contain overlapping address space

D. Two interfaces on the same router cannot be configured with the same IP address

Correct Answer: A

QUESTION 9

Given the subnet of 209.165.201.0/27, which subnet range will make the most efficient use of the address block for connecting to customer edge devices?

A. 209.165.201.1/32

B. 209.165.201.1/31

C. 209.165.201.1/30

D. 209.165.201.1/29

E. 209.165.201.1/24

Correct Answer: B

QUESTION 10

A network administrator set-up AAA on a new router. While the TACACS server was down for maintenance, the administrator was still unable to login with the backup password. Which keyword did the administrator leave off of the AAA configuration?

A. The keyword local is missing from the AAA authentication login statement.

B. The keyword local is missing from the AAA authentication exec statement.

C. The keyword default is missing from the login authentication.

D. The command line privilege level 0 is missing from the VTY configuration.

Correct Answer: B

QUESTION 11

Refer to the exhibit.

```
kron occurrence daily-config-backup at 0:05 recurring
 policy-list backup-config
!
kron policy-list backup-config
 cli write memory
 cli show run | redirect
 tftp://10.43.107.168/$h.cfg
```

A new policy requires all configurations to be saved to flash and backed up to a TFTP server based off the hostname at 12:05am every day. Based upon the configuration, which two commands are required to accomplish this? (Choose two.)

A. kron occurrence daily-config-backup at 0:05 recurringpolicy-list backup-config

B. kron occurrence daily-config-backup at 12:05 recurringpolicy-list backup-config

C. kron policy-list backup-configcli write memorycli show running-config| redirect tftp://209.165.200.226/$h.cfg

D. kron policy-list backup-configcli write memorycli show running-config| redirect tftp://209.165.200.226/$hostname.cfg

Correct Answer: AC

QUESTION 12

Which of the following correctly pairs the dotted decimal subnet mask with the correct number of binary bits that represent the subnet mask?

A. 255.255.255.192 and /25

B. 255.255.255.248 and /28

C. 255.255.255.224 and /26

D. 255.255.255.248 and /27

E. 255.255.255.240 and /28

F. 255.255.255.240 and /16

Correct Answer: E

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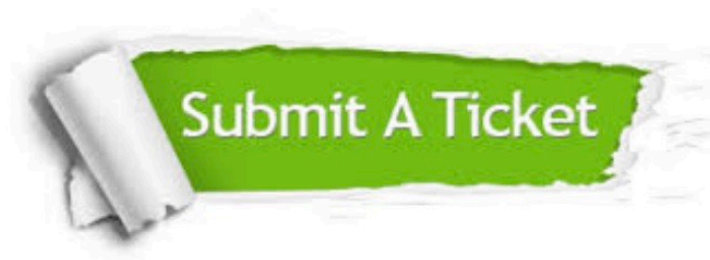
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