

Grade Book Detail

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Quiz 4

Started: December 17, 2019, 10:09 pm

Last change: December 17, 2019, 11:12 pm

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Part 1/6.

1. Which layer 2 switch will be elected to the root bridge?

- ☐ Switch A
- ☒ Switch B
- ☐ Switch C
- ☐ Switch D

2. Which type is the interface Fa0/2 of switch C?

- ☐ Non-Designated Port
- ☐ Designated Port
- ☒ Root Port
- ☐ None of above

3. Which port is in blocked state? Port

- ☐ Fa0/3 in switch C
- ☒ Fa0/2 in switch A
- ☐ Fa0/2 in switch C
- ☐ Fa0/1 in switch A

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Question 1: 6 (parts: 2, 2, 2) out of 6 in 1 attempt(s)

Part 2/6. Write the commands to assign Fa0/0 in switch C to VLAN 2:

1. SwitchC(Config)# interface fa0/0
2. SwitchC(Config-if)# switchport mode access (set mode)
3. SwitchC(Config-if)# switchport access vlan 2 (assign vlan)

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Question 2: 6 (parts: 2, 2, 2) out of 6 in 1 attempt(s)

Part 3/6. Write the commands to create 2 sub interfaces in router A, and assign the correct VLAN and IP address to the sub interfaces. Select IP addresses from following: 10.1.0.1/16, 10.0.0.1/16:

1. RouterA(Config)# interface e0/0.1 (#1 sub interface)
2. RouterA(Config-subif)# ip address 10.0.0.1 255.255.0.0 (set address)
3. RouterA(Config-subif)# encapsulation dot1q vlan 1 (set vlan 1)
4. RouterA(Config)# interface e0/0.2 (#2 sub interface)
5. RouterA(Config-subif)# ip address 10.1.0.1 255.255.0.0 (set address)
6. RouterA(Config-subif)# encapsulation dot1q vlan 2 (set vlan 2)

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Show Answer encapsulation dot1q 1

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Question 3: 8 (parts: 2, 2, 0, 2, 2, 0) out of 12 in 1 attempt(s)

Part 4/6.

1. Write the commands to set the correct mode for Fa0/0 in switch A:
 Swtich A(Config)# interface fa0/0
 Swtich A(Config-if)# switchport mode trunk
2. Which IP address should be assigned as the default router' s address of PC 1?
10.0.0.1

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Question 4: 6 (parts: 2, 2, 2) out of 6 in 1 attempt(s)

Part 5/6. Assume Fa0/0 in switch D is assigned to VLAN 3. Write commands to configure the VLAN 3 interface. Select IP address from following: 10.0.0.1 10.1.0.1 10.2.0.1 10.3.0.1

1. SwitchD(config)# interface fa0/0
2. SwitchD(config-if)# ip address 10.2.0.1 255.255.0.0 (set address)
3. SwitchD(config-if)# no shutdown (enable interface)

Show Answer interface vlan 3

Show Answer

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Question 5: 4 (parts: 0, 2, 2) out of 6 in 1 attempt(s)

Part 6/6. Write commands to enable layer 3 switching in Switch D:

1. SwitchD(config)# ip routing
2. Assume Fa0/2 in switch D is set to VLAN 3, which IP address can be assigned to PC 7?
(host address must less than 10) 10.2.0.3

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Question 6: 4 (parts: 2, 2) out of 4 in 1 attempt(s)

Total: 34/40

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