**CYB 210 Network Configuration Scavenger Hunt Template**

**Reminder**: Make sure that you are going into the devices and using the command line to find your objectives, not just hovering over the devices with your mouse.

**WIRELESS ROUTING**

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| # | Objective | Response |
| 1 | What is the IP address of the wireless router? | 192.168.0.1 |
| 2 | What is the starting IP address of the DHCP scope? | 192.168.0.115 |
| 3 | How many IP addresses are available for the wireless network? | 25. This is because 192.168.0.115-192.168.0.139  is 25 Total avilable spots left. |
| 4 | What are the IP addresses of the three wireless computers? | 192.168.0.115, 192.168.0.116, 192.168.0.117 |
| 5 | What is the name of the wireless network? | FREE\_WIRELESS |
| 6 | What is the authentication method used for the wireless network? | MD5 |

**LAN ROUTING**

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| # | Objective | Response |
| 7 | What interfaces do you see configured on the main router and what IP is assigned to each interface? | GigabitEthernet0/0 IP address: 10.0.0.1,  GigabitEthernet0/1 IP address: 20.0.0.1,  FastEthernet0/0/0,  FastEthernet0/0/1,  FastEthernet0/0/2,  FastEthernet0/0/3,  Serial0/1/0,  Serial0/1/1 |
| 8 | List the IP address of one of the LAN computers on the network. | PC0 IP address: 192.168.65.8 |
| 9 | Certain ports on the two switches, connecting to the computers and connecting to the IP phones, have been “administratively” turned off. Can you identify them? | FastEthernet0/14, FastEthernet0/15,  FastEthernet0/16, and FastEthernet0/20 |
| 10 | The main router connects to four different network devices. Can you name the types of devices connected to the router and the specific port interface each device is connected to on the router? | Four types of network devices connected to the  router are phones, tablet, PC, and laptops.  The port interfaces connected to the router are  GigabitEthernet0/0,  GigabitEthernet0/1,  FastEthernet0/0/0,  FastEthernet0/0/1,  FastEthernet0/0/2,  FastEthernet0/0/3,  For the PCs they are on the FastEthernet0:  PC0 = FastEthernet0/8  PC1 = FastEthernet0/5  PC2 = FastEthernet0/6  PC3 = FastEthernet0/7  PC4 = FastEthernet0/3  PC5 = FastEthernet0/2  PC6 = FastEthernet0/1  PC7 = FastEthernet0/4  For the switch connecting PC0 – PC7 they are  using GiagbitEthernet0/1 connecting from Main  Router GigabitEthernet0/0. Also using  FastEthernet0/1 - FastEthernet0/8 for PCs.  For the IP Phones they are on the FastEthernet0:  IP Phone0 = FastEthernet0/6  IP Phone1 = FastEthernet0/5  IP Phone2 = FastEthernet0/4  IP Phone3 = FastEthernet0/9  IP Phone4 = FastEthernet0/7  IP Phone5 = FastEthernet0/3  IP Phone6 = FastEthernet0/2  IP Phone7 = FastEthernet0/8  For the router connecting the IP Phones  they are using GigabitEthernet0/1 and  using FastEthernet0/2 - FastEthernet0/9 for IP  Phones.  For the Laptop0 and Laptop1 they are  connected to the Wireless0 network.  For tabletPC0 it is connected to the Wireless0  and 3G/4G Cell1. For the router tablet PC0 is  connected to it is using Internet, LAN, Dialer1,  and Wireless. |

**VLAN ROUTING**

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| # | Objective | Response |
| 11 | List all VLANs on the network.  Note: You must list all VLANs for full credit. | VLAN database:  1 default,  35 VOIP,  65 Data,  99 FutureUse,  1002 fddi-default,  1003 token-ring-default,  1004 fddinet-default,  1005 trnet-default.  Total of 8 VLAN on the network. |
| 12 | What are the names (tags) of each listed VLAN? List the number and name in your response. | VLAN database:  1 default,  35 VOIP,  65 Data,  99 FutureUse,  1002 fddi-default,  1003 token-ring-default,  1004 fddinet-default,  1005 trnet-default. |
| 13 | What is the intended use of VLANs 1, 35, 65, and 99? | The intended use of 1 is to control the  traffic on the network. The intended use of 35 is  To allow you to make calls using broadcast  Internet connection instead of using analog  phone line. The intended use of 65 is to divide  data into two groups. One groups of users  and other group of devices. The last VLAN 99 is  Intended for configuration mode for IP  addresses. |
| 14 | How many ports in total for each switch are used for VLAN traffic? List the VLAN and the total number of ports assigned to that VLAN. | Switch1 has 5 ports open:  1 default,  1002 fddi-default,  1003 token-ring-default,  1004 fddinet-default,  1005 trnet-default.  Switch has 7 ports open:  1 default,  65 Data,  99 FutureUse,  1002 fddi-default,  1003 token-ring-default,  1004 fddinet-default,  1005 trnet-default.  Switch0 has 7 ports open:  1 default,  35 VOIP,  99 FutureUse,  1002 fddi-default,  1003 token-ring-default,  1004 fddinet-default,  1005 trnet-default.  Three ports are used for VLAN traffic. |
| 15 | Which ports are identified to which VLAN on the computer network switch and on the phone network switch? | IP Phone network switch uses 35 for VOIP to  make phone calls.  The computer network switch uses 65 for  Data and to divide data into two groups. |