

**INFORMATION SHEET 2 (COC 2)**  
**SET-P COMPUTER NETWORKS**

**CABLING COLOR CODING**

**1. RJ45**

**A.**

WG	G	WO	Bl	WBl	O	WBr	Br
1	2	3	4	5	6	7	8

**B.**

WO	O	WG	BL	WBL	G	WBr	Br
1	2	3	4	5	6	7	8

**2. PATCH PANEL**

**A.**

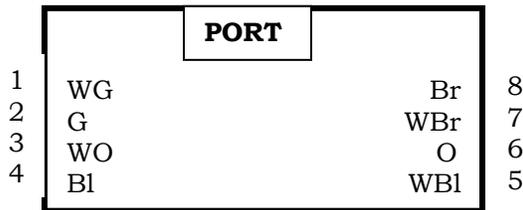
WBl	Bl	WG	G	WO	O	WBr	Br
1	2	3	4	5	6	7	8

**B.**

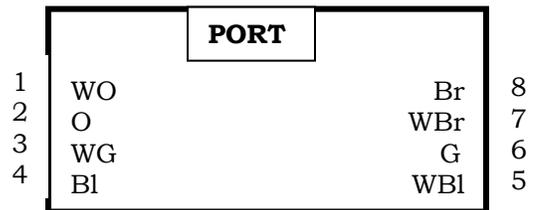
WBl	Bl	WO	O	WG	G	WBr	Br
1	2	3	4	5	6	7	8

**3. MODULAR BOX**

**A.**

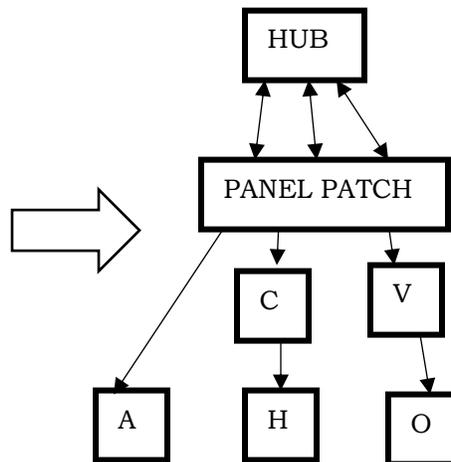


**B.**



**SAMPLE DIAGRAM**

POSITION AND CONNECT ALL OF THESE APPROPRIATELY BEFORE YOU PROCEED TO STATIC ROUTING



## STATIC ROUTING

For Example, the GIVEN IPs are:

Router – 192.168.4.1

Server – 192.168.4.2

Client – 192.168.4.3

Router Name: Your Name

Router Password: Aguilar2021

### PROCEDURES:

1. Reset Router (Long Press the BLACK BUTTON)
2. Go to Browser and enter the default IP Address of the router (192.168.0.1)
3. Log-in as admin. The default username is admin and the default password is admin.
4. Change Router name.
  - Go to “Wireless”, change the wireless network name then save.
5. Change Router Password.
  - Under “Wireless”, go to “Wireless Security” and the Wireless Password to Aguilar2021 as given.
6. Change Router’s IP Address.
  - Go to “network”, click “LAN” then change IP Address to 192.168.4.1 as given.
7. Change Server’s IP Address.
  - Open “Network and sharing Center” then click “change Adapter Settings”. Select and right click “Local Area Network”, click “Properties”, double click the “IPv4”, click “Use the following IP Address”, then change the IP Address to 192.168.4.2 as given then click the subnet mask, ok, ok.
8. Change Client’s IP Address.
  - Go to client, and do the same thing as what you did in the server and change the client’s IP address to 192.168.4.3 as given.
9. Turn off firewall.
  - click “start”, type “fire” and click “windows firewall”. Click “turn off firewall on or off” and then click “turn off firewall..”, close.
10. Check of there are connections between the router, server and the client.
  - go to server, press windows + R, type “ping 192.168.4.1 -t” to check the network connection of the router
  - “ping 192.168.4.2 -t” to check the network connection of server
  - “ping 192.168.4.3 -t” to check the network connection of client
  - do this also to the client\*.

Name: \_\_\_\_\_

Score: \_\_\_\_\_

Strand & Grade Level: \_\_\_\_\_

Date: \_\_\_\_\_

## PERFORMANCE TASK SHEET 2.1-4 (COC 2.2)

**Title:** Configuring patch panel

**Performance Objective:** Given are the following materials, you should be able to configure patch panel. Allotted time 30 minutes.

**Supplies/Materials:** Working UTP cable, patch panel, network cable tester

**Equipment:**

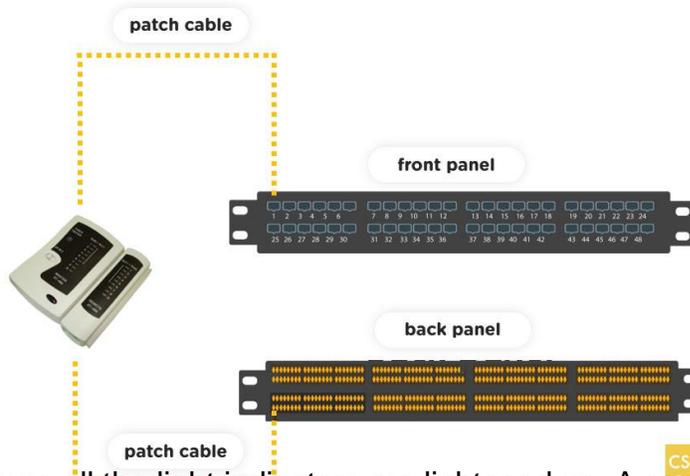
**Steps/Procedure:**

1. Read information sheet 2.1-4 Patch Panel
2. Configure your patch panel

Where:

Network color standards=T568B

3. Connect your working patch cord directly to patch panel port (front) then insert the other end to network cable tester.
4. Connect your patch cable (back panel) end to network cable tester.



5. Make it sure all the light indicators are lightened up. A series of blinking lights will appear signifying that the configuration is successful.

**Assessment Method:**

**Demonstration, Observation**

### Performance Criteria Checklist 2.1-4

Student's Name: \_\_\_\_\_ Date: \_\_\_\_\_

During the performance of the task, did you consider the following criteria?

CRITERIA	YES	NO
Did the student....		
1. Properly configured patch panel using T568B color standard?		
2. Successfully tested the patch panel configuration		
3. Applied and performed occupational health safety procedures.		
4. Performed and followed completely the give task?		
Total Points		
Total Items		
Signature of the Learner		
Signature of the Teacher		

**RUBRICS:**

No. of Yes	No. of NO	Score	Remarks:
7	7	100	Outstanding
5-6	5-6	93-95	Very Satisfactory
4	4	90	Satisfactory
3	3	85	Satisfactory
2	2	80	Fairly Satisfactory
1	1	75	Fairly Satisfactory
0	0	70	Did Not Meet Expectations

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