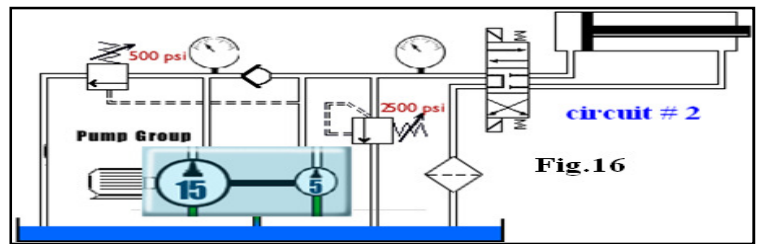
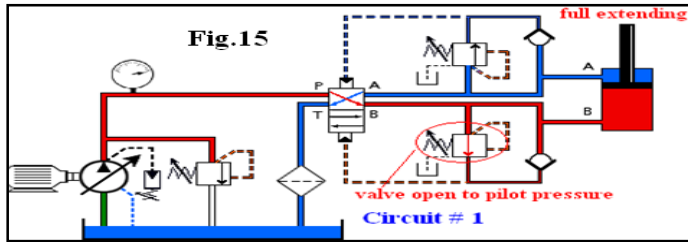
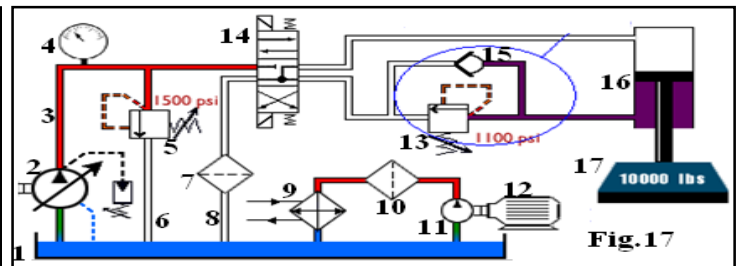
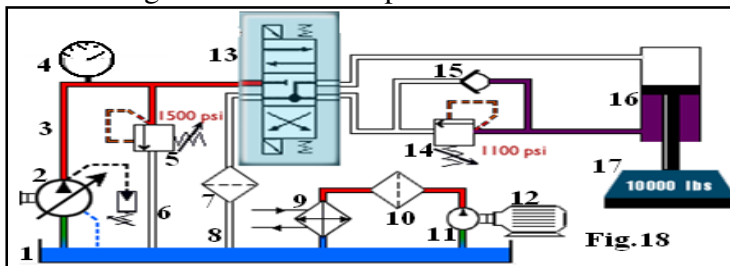


Self-Study Sheet-12 Part-2, on Chapter-12: Basic System Design

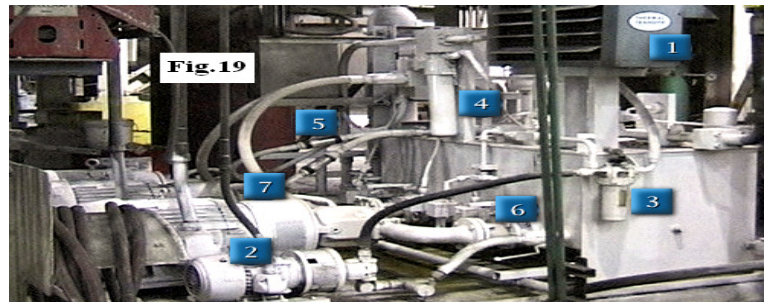
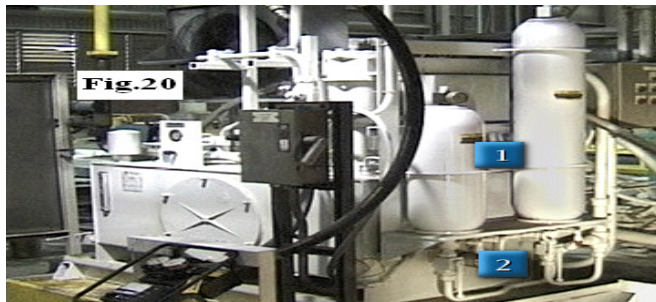
- 1-Write down the name, usage and characteristics of each part of the hydraulic circuit on fig.15. Discuss the function and usage and method of operation of this circuit.



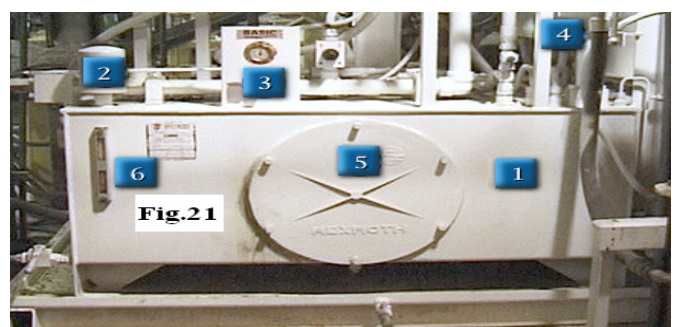
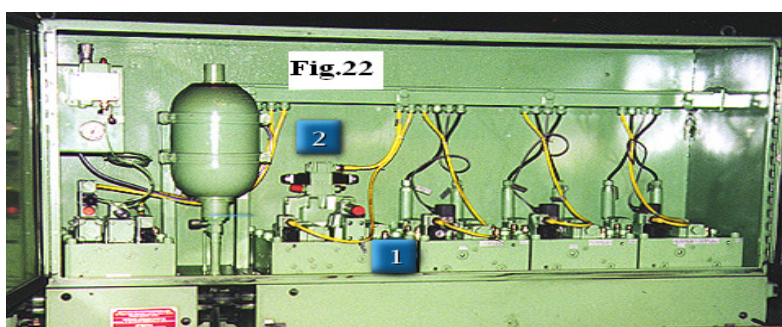
- 2- Write down the name, usage and characteristics of each part of the hydraulic circuit on fig.16. Discuss the function and usage and method of operation of this circuit.
- 3-Write down the name, usage and characteristics of each part of the hydraulic circuit on fig.17. Discuss the function and usage and method of operation of this circuit.
- 4-Write down the name, usage and characteristics of each part of the hydraulic circuit on fig.18. Discuss the function and usage and method of operation of this circuit.



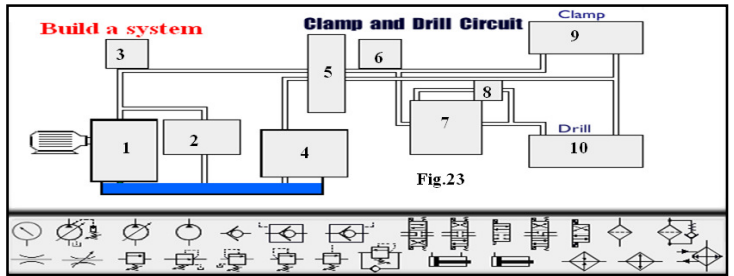
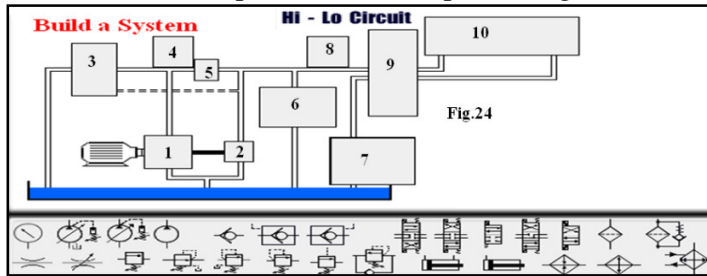
- 5- Write down the name, usage and characteristics of each part of the Power unit on fig.19. Discuss the function and usage and method of operation of each part on fig.19.
- 6-Write down the name, usage and characteristics of each part of the Power unit on fig.20. Discuss the function and usage and method of operation of each part on fig.20.



- 7-Write down the name, usage and characteristics of each part of the Power unit on fig.21. Discuss the function and usage and method of operation of each part on fig.21.
- 8-Write down the name, usage and characteristics of each part of the Power unit on fig.22. Discuss the function and usage and method of operation of each part on fig.22.

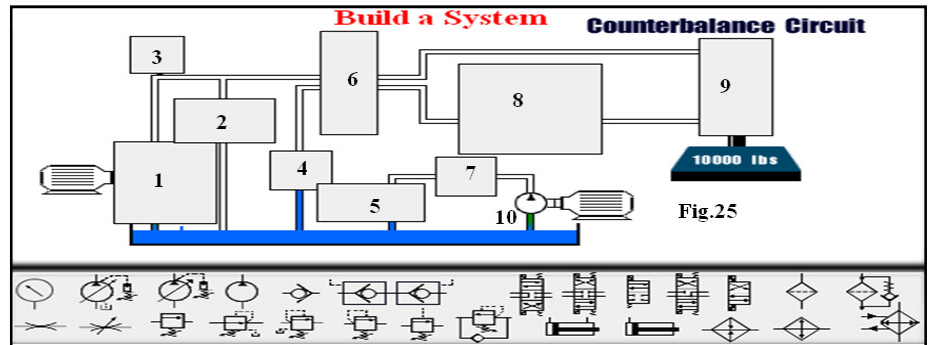


9- Write down the name, usage and characteristics of each part of the circuit on fig.23. Discuss the function and usage and method of operation of each part on fig.23.

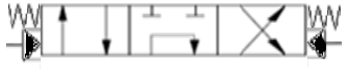
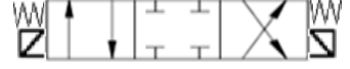

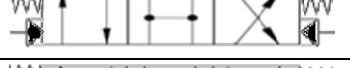

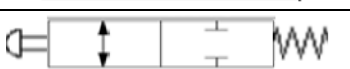

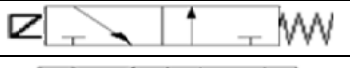

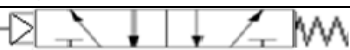

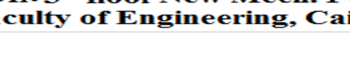



10- Write down the name, usage and characteristics of each part of the circuit on fig.24. Discuss the function and usage and method of operation of each part on fig.24.

11- Write down the name, usage and characteristics of each part of the circuit on fig.25. Discuss the function and usage and method of operation of each part on fig.25.



12--Next table is for.....Complete the table

#	Valve	Valve designation name	# of positions	# of port	Name based on neutral or center position	actuation method
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						

***** End of Basic System Design *****