



# UNIT IV

# SPLIT AC

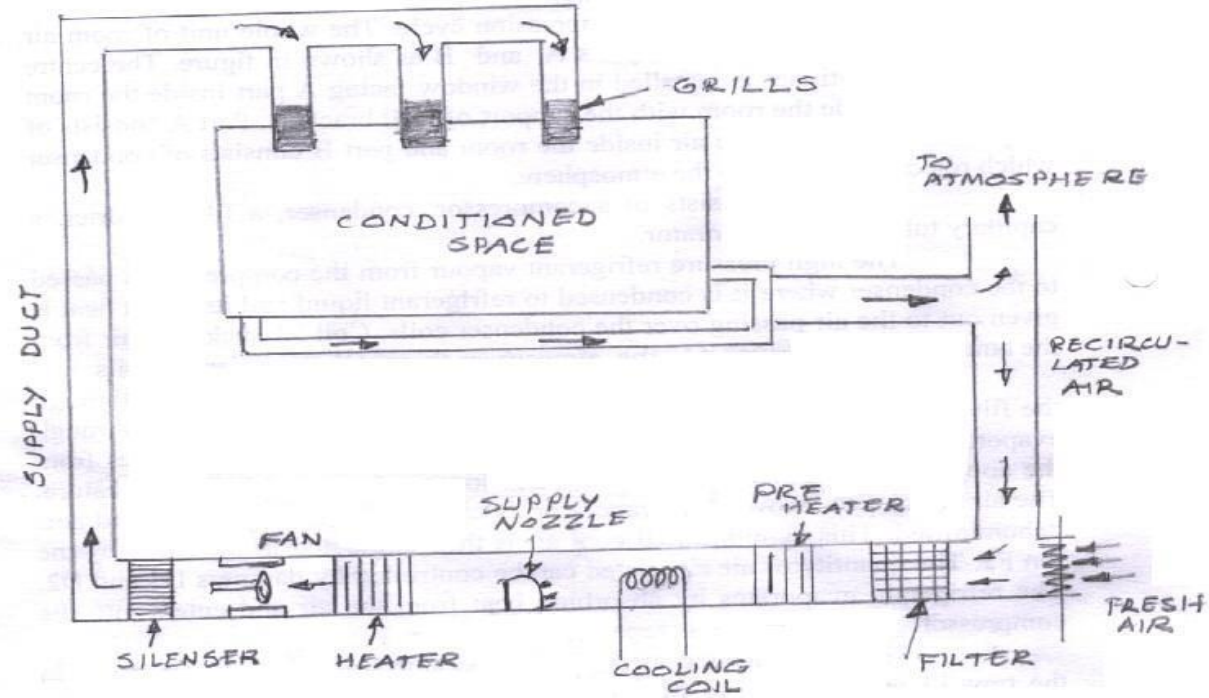
**Basic Civil and Mechanical Engineering**

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# SPLIT AC



CENTRAL AIR  
CONDITIONING



# ADVANTAGES

- 1.The running cost per unit of refrigeration is less.
- 2.The central plant can be installed quite away from the rooms to be air conditioned.
- 3.Noise and vibration problems are not there since it is installed away from rooms.
- 4.Better accessibility for repair and maintenance.

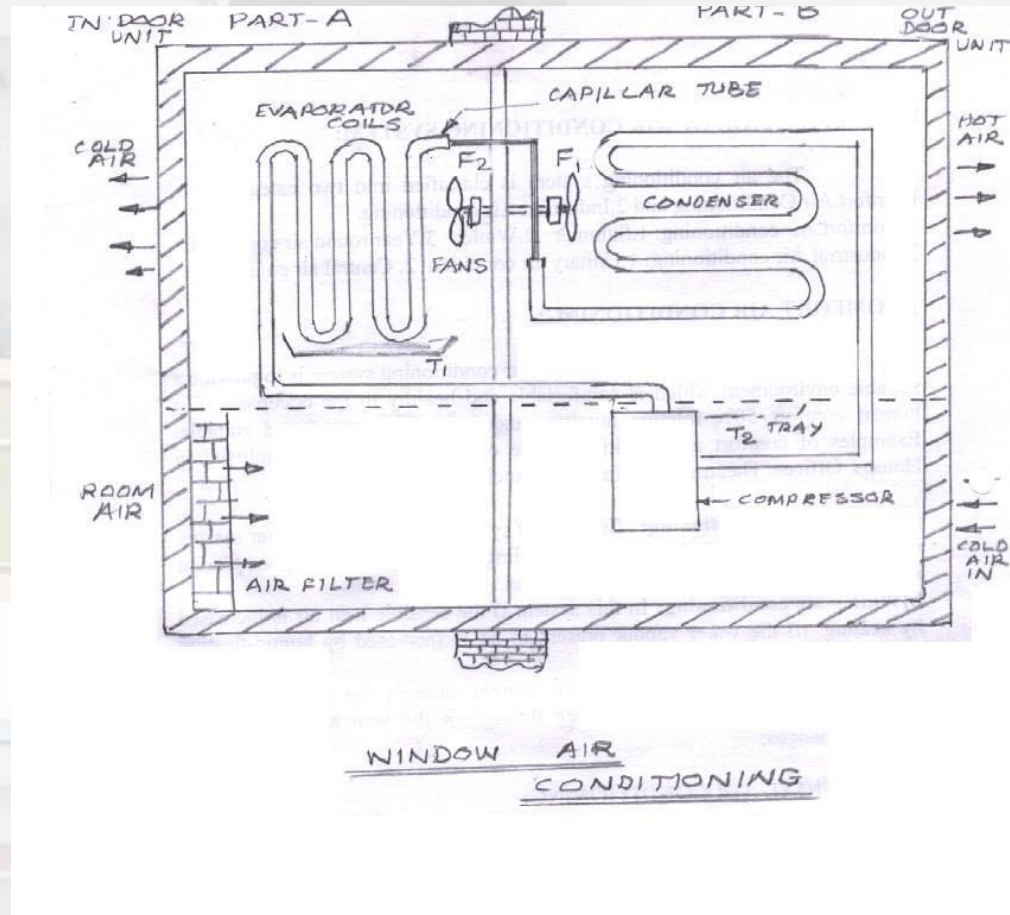


# DISADVANTAGES

1. Installation and assembly, labor charges are more.
2. It requires duct system for air passing.
3. Even if one room requires air conditioning, the whole plant is to be operated.
4. Failure of plant affects the air conditioning of all rooms



# WINDOW AIR CONDITIONING





# ADVANTAGES

1. Installation charges and labor charges for assembly are less.
2. Duct work is eliminated.
3. Exact requirement for each room is achieved, due to individual control.
4. The units are kept running in the rooms only where the cooling is required.
5. If one unit fails, the air conditioning in other rooms are not affected.



**THANK YOU**