

# **TDC Part III**

## **Practical (Lab Work)**



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**TOPIC:- Desiccator**

## **Desiccator**

A desiccator is a chamber or box that is used to store the hygroscopic materials. A traditional desiccator is a glass bowl and lid, each with thick glass rims that permit a seal when greased (Figure 1.6). Desiccant (a hygroscopic chemical that absorbs water out of the air) is placed beneath the perforated ceramic disk. If the compound is hygroscopic then it is always suggested to keep it in desiccator on the disk. Some common desiccants are  $\text{CaSO}_4$ , silica gel,  $\text{MgSO}_4$ , and  $\text{P}_2\text{O}_5$ .



*Figure 1.6 A classical desiccators*