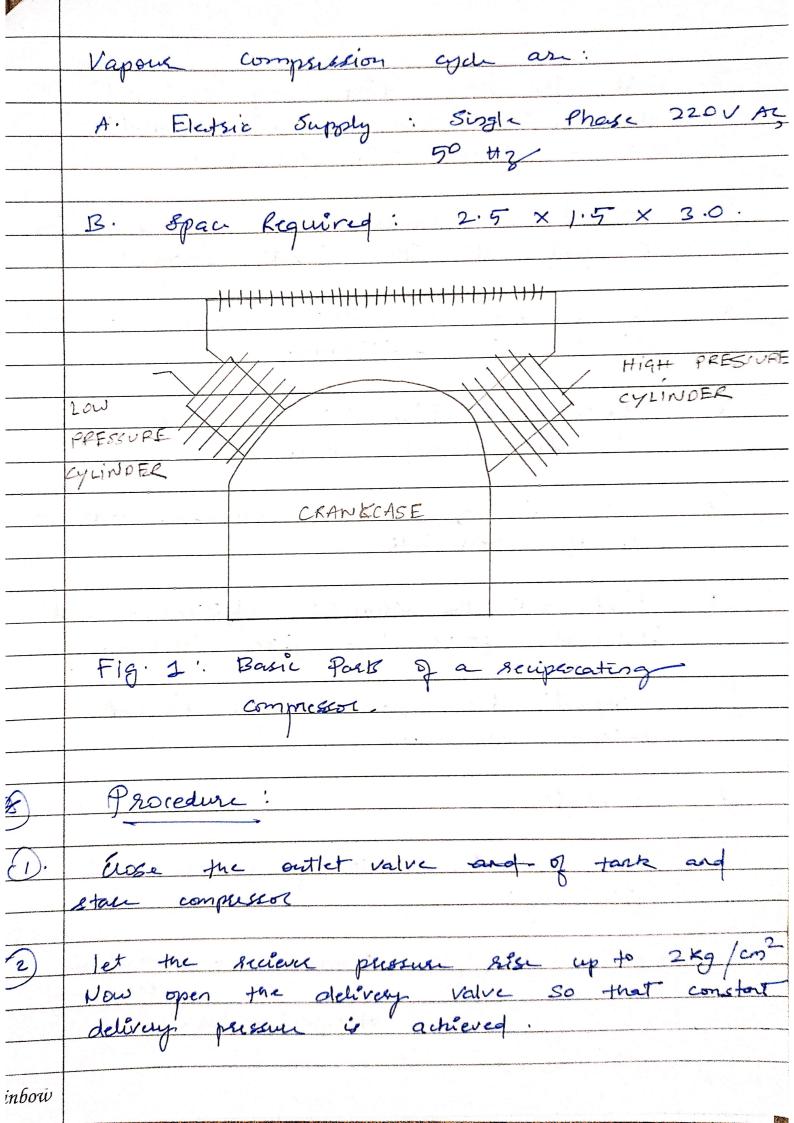
and the same of th	
&	Objetive:
	To calculate the comprission sation for the Seriperating our - compressor.
	Theory:
	In Two stages compressed ais is postfally compressed in a low pressure cylinder. This air is passed through between the first stage and the second stage so that the air at the chief of the second stage is at a lower temperature than the outlet of the first stage. This is done to seduce work of a compressor in the first stage. This is Find compression is done in the second stage. The compressors are provided with clearance volume two stage compressors can achieve higher volumetric efficiency than a single stage compressor because of lower compression per stage.
	As compressed ais is used in a wide Range of materials, industrial, domestic, acronautic fields, etc., compressors are applied in a wide Range. They are used wherever air is Required at high pressure. About the compressor.
inbow	An ais compruers is a device which sures

and then delivers it to a severier tank It compaises the oir by the means of a scriptocaturing piston, which scriptocates is side a cylisdy. It can be single stage of multi stage. It can be single acting or doubt acting. Two stage compressor test sig consists of 2 cylindess and pistons and a sucovoir tank : An Ac Motor suns it. Thurmometus an provided at islet and outlet. To find inset volume of air, an stiffer is provided. To stream lie the ware, a diapragm box manifold is provided. Pressure gauge is provided at sisorvoir tank. Safety valve and auto power switch is provided for safety Specifications of the compressor: 3 H.B Motor -Double Stage Single Acting Compressor -Dianeter 93.5 mm, Stoke 78 mm. aglisdy - 1 3200 Pulses KWn constant (EMC Energy meter Utilities Required: The four stages is a theoritical requirements. Rainbow



(3)	Wait for some time and see that
	now note down the pressure.
(4)	Record the energy metre pulse fine to find out the input power.
(5)	Record the manometer geoding to find out the air input volume.
6	Record the temperature of inlet before and after Sund stage.
(7)	Find out the spon of compressor with the help of RPM indicator.
(8)	Fist out the volumetin efficiency and isotherned power by given formula.
9	Repeat the procedure for différent delivery pressures.
E	Condusion
and the second s	The compression satio of complessor is given by:
	Rt 9 = (Gauge Pressure - Atmospherica)
	Pressure)
- Control of the Cont	atmosphilie Prisere
Rainbow	