

- I (a) What is a machine?  
 (b) Name the chief mechanical powers and describe & draw any two.
- II How do you determine the specific gravity of (1) a body lighter than water, (2) of a powder.
- III What is a barometer? Explain its construction & draw diagram.
- IV Give the various laws of phases, and give an experiment to show each.
- V Define Solution, Occlusion, Dialysis and Diffusion.
- VI What is meant by Osmose - give diagram & show its use.
- VII Construct a syphon & explain its use.