

PHYSICAL PHARMACY – I

List of Experiments

1. Percent composition determination by Capillary Flow method.
2. Percent composition determination by Polarimeter & Refractometer.
3. Molecular weight determination by Landsberger method.
4. Molecular weight determination by Rast camphor method.
5. Calibration of pH Meter.
6. pH Estimation – pH meter.
7. pH Estimation – Colourimetric method.
8. pH Estimation by Half Neutralization Method.
9. Refractive index of liquids.
10. Molar refraction determination.
11. Effect of dielectric constant on the solubility of the drug.
12. Phenol water system – CST.
13. Lower Consolute Temperature – Triethanol amine and Water.
14. Heat of neutralization.
15. Phase diagram - Phenol – Water, Effect of Impurities.
16. Ternary phase diagram.
17. Preparation of Buffers and Buffer Capacity determination.

ADDITIONAL EXPERIMENTS

18. Determination of Viscosity by using Ostwald Viscometer.
19. Determination of Surface tension by using Stalagmometer.