

# Applied Chemistry

## Semester - I

**List of Experiments:** Any Eight Experiments are performed out of following:

1. Determination of temporary and permanent hardness of water by complexometry method.
2. To estimate the amount of  $\text{Ni}^{+2}$  ions in a given solution by complexometric method.
3. Type and extent of alkalinity by Warder's method.
4. Determination of capacity of anion exchange resin.
5. Determination of capacity of cation exchange resin.
6. Determination of Copper by Iodometry
7. Determination of hardness of water due to calcium and magnesium ions separately.
8. Determination of heat of neutralization.
9. Verification of Beers Law.

Dr. P.R. Dhote