

SURVEYING LAB – I

LIST OF EXERCISES:

- 1.Survey of an area by chain survey (closed traverse) & Plotting
- 2.Chaining across obstacles
- 3.Determination of distance between two inaccessible points with compass.
- 4.Surveying of a given area by prismatic compass (closed traverse) and plotting after adjustment.
- 5.Radiation method, intersection methods by plane Table survey
- 6.Two point and three point problems in plane table survey
- 7.Traversing by plane table survey
- 8.Fly leveling (differential leveling)
- 9.An exercise of L.S and C.S and plotting
- 10.Two exercises on contouring.

List of Major Equipment:

- 1.Chains, tapes, Ranging rods, cross staff, arrows
- 2.Compasses and Tripods, Optical square.
- 3.Plane tables, Alidade, Plumbing fork, trough compasses
- 4.Leveling instruments and leveling staves
- 5.Box sextants, planimeter.