Diploma, Anna Univ UG & PG Courses

Notes
Syllabus
Question Papers
Results and Many more...

Available @

www.AllAbtEngg.com

CE8361 SURVEYING LABORATORY

DETAILED SYLLABUS

OBJECTIVE:

 At the end of the course the student will posses knowledge about Survey field techniques

LIST OF EXPERIMENTS:

Chain Survey

- 1. Study of chains and its accessories, Aligning, Ranging, Chaining and Marking Perpendicular offset
- 2. Setting out works Foundation marking using tapes single Room and Double Room Compass Survey
- 3. Compass Traversing Measuring Bearings & arriving included angles Levelling Study of levels and levelling staff
- 4. Fly levelling using Dumpy level &Tilting level
- 5. Check levelling

Theodolite - Study of Theodolite

- 6. Measurements of horizontal angles by reiteration and repetition and vertical angles
- 7. Determination of elevation of an object using single plane method when base is accessible/inaccessible.

Tacheometry - Tangential system - Stadia system

- 8. Determination of Tacheometric Constants
- 9. Heights and distances by stadia Tacheometry
- 10. Heights and distances by Tangential Tacheometry

Total Station - Study of Total Station, Measuring Horizontal and vertical angles

- 11. Traverse using Total station and Area of Traverse
- 12. Determination of distance and difference in elevation between two inaccessible points using Total station