



# DEPARTMENT OF DRILLING ENGINEERING ORISSA SCHOOL OF MINING ENGINEERING, KEONJHAR



## LABORATORY NAME: Mine Survey EXPERIMENT DETAILS

EXPERIMENT NUMBER	EXPERIMENT DETAILS
<b>Introduction</b>	
1	Survey conventional signs, abbreviations, and colors used.
<b>Chain Survey</b>	
2	Ranging and chaining of a line more than 200 m applying correction. Taking offsets of objects on both sides of a line and booking field notes. Plotting the above details.
3	Overcoming obstructions in chaining. Vision free, chaining obstructed (Pond, River). Chaining free, vision obstructed (Rising ground). Both vision and chaining obstructed (Building).
4	Finding bearing of line and applying check.
<b>Compass Survey</b>	
5	Closed traversing of a small plot with station (without intermediate filling)
6	Open traversing of a small length with few stations (without offsets).
7	Open traversing of small length with few stations (with offsets).
8	Closed traversing of small plot with stations (with intermediate filling).
<b>Leveling</b>	
9	Temporary and permanent adjustments, sensitivity of bubble tube.
10	Preparing of level or staff reading and practicing reading of staff with level.
11	Preparation of a level section spot and leveling.
12	Preparation of a level section spot and contouring.

