

**GOVERNMENT POLYTECHNIC JAIPUR**

A/ P: Ragadi, Block: Korei, Dist.: Jajpur, Odisha- 755019

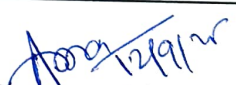
Website: <https://www.gpjajpur.org> E-mail: [principalgpjajpur@yahoo.co.in](mailto:principalgpjajpur@yahoo.co.in) Contact: 9437155107

**DEPARTMENT OF MINING ENGINEERING**

**LESSON PLAN**

Discipline: <b>MINING</b>	Semester: 3RD	Name of the Teaching faculty: Amarjyoti Mahanta
Subject: Mine Survey 1 Lab (Pr-1)	No of Days/Week class allotted: 4	Semester from Date: 12/09/2025 To Date: 15/11/2025 No of weeks: 15
<b>Week</b>	<b>Class Day</b>	<b>Topics</b>
<b>1st</b>	Group1(2p)	Chain Survey o Ranging a line more than 100 m in length and measuring its correct length applying corrections.
	Group2(2p)	Chain Survey o Ranging a line more than 100 m in length and measuring its correct length applying corrections.
	Group1(2p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
<b>2nd</b>	Group1(2p)	TO RUN A SURVEY LINE ACROSS AN OBSTRUCTING BOTH RANGING AND CHAINING SURVEY TECHNIQUE
	Group2(2p)	TO RUN A SURVEY LINE ACROSS AN OBSTRUCTING BOTH RANGING AND CHAINING SURVEY TECHNIQUE
	Group1(2p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
<b>3rd</b>	Group1(2p)	TO CONDUCT THE CHAIN SURVEY CLOSED TRAVERSE AROUND A BUILDING AND PLOT THE EXISTING BUILDING
	Group2(2p)	TO CONDUCT THE CHAIN SURVEY CLOSED TRAVERSE AROUND A BUILDING AND PLOT THE EXISTING BUILDING
	Group1(2p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
<b>4th</b>	Group1(2p)	TO PLOT THE PLAN OF A GIVEN AREA BY COMPASS TRAVERSING
	Group2(2p)	TO PLOT THE PLAN OF A GIVEN AREA BY COMPASS TRAVERSING
	Group1(2p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(2p)	TO LOCATE THE POSITION ON THE PLOANE STATIONS OCCUPIED BY THE PLANE TABLE BY MEANS OF ELEVATIONS OF TWO WELL DEFINED POINTS WHOSE POSITION HAVE BEEN PREVIOUSLY PLOTTED IN THE PLAN

5th		PREVIOUSLY PLOTTED IN THE PLAN
	Group2(2p)	TO LOCATE THE POSITION ON THE PLOANE STATIONS OCCUPIED BY THE PLANE TABLE BY MEANS OF ELEVATIONS OF TWO WELL DEFINED POINTS WHOSE POSITION HAVE BEEN PREVIOUSLY PLOTTED IN THE PLAN
	Group1(2p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
6th	Group2(2p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(2p)	MEASUREMENT OF HORIZONTAL ANGLE USING THE DODOLITE
	Group2(2p)	MEASUREMENT OF HORIZONTAL ANGLE USING THE DODOLITE
	Group1(2p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
7th	Group2(2p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(2p)	MEASUREMENT OF VERTICAL ANGLE
	Group2(2p)	MEASUREMENT OF VERTICAL ANGLE
	Group1(2p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
8th	Group2(2p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(2p)	Chain surveying and plotting of small plot by triangulation.
	Group2(2p)	Chain surveying and plotting of small plot by triangulation.
	Group1(2p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE.
9th	Group2(2p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE.
	Group1(2p)	MEASUREMENT OF HORIZONTAL ANGLE BY REPETITION AND RETERATION
	Group2(2p)	MEASUREMENT OF HORIZONTAL ANGLE BY REPETITION AND RETERATION
	Group1(2p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE
10th	Group2(2p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(2p)	Compass Survey.Finding bearing of line and applying check.
	Group2(2p)	Compass Survey.Finding bearing of line and applying check.
	Group1(2p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
11th	Group2(2p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(2p)	Closed traversing of a small plot with station (without intermediate filling)
	Group2(2p)	Closed traversing of a small plot with station (without intermediate filling)
	Group1(2p)	EXPT-11-RECORD EVALUATION/SESSIONAL/VIVA VOCE

	Group1(2p)	EXPT-11-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-11-RECORD EVALUATION/SESSIONAL/VIVA VOCE
12th	Group1(2p)	Open traversing of a small length with few station (without offsets)
	Group2(2p)	Open traversing of a small length with few station (without offsets)
	Group1(2p)	EXPT-12-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-12-RECORD EVALUATION/SESSIONAL/VIVA VOCE
13th	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
14th	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
15th	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
<div style="text-align: right;">   Signature of Faculty </div>		