

GOVERNMENT POLYTECHNIC JAIPUR

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DEPARTMENT OF MINING ENGINEERING

LESSON PLAN

Discipline: MINING	Semester: 3RD	Name of the Teaching faculty: Soumya Ranjan Samal
Subject: Mine Survey 1 Lab(Pr- 1)	No of Days/Week class alloted: 6	Semester from Date: 01/08/2023 To Date: 30/11/2023 No of weeks: 15
Week	Class Day	Topics
1st	Group1(3p)	Chain Survey o Ranging a line more than 100 m in length and measuring its correct length applying corrections.
	Group2(3p)	Chain Survey o Ranging a line more than 100 m in length and measuring its correct length applying corrections.
	Group1(3p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
2nd	Group1(3p)	TO RUN A SURVEY LINE ACROSS AN OBSTRUCTING BOTH RANGING AND CHAINING SURVEY TECHNIQUE
	Group2(3p)	TO RUN A SURVEY LINE ACROSS AN OBSTRUCTING BOTH RANGING AND CHAINING SURVEY TECHNIQUE
	Group1(3p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
3rd	Group1(3p)	TO CONDUCT THE CHAIN SURVEY CLOSED TRAVERSE AROUND A BUILDING AND PLOT THE EXISTING BUILDING
	Group2(3p)	TO CONDUCT THE CHAIN SURVEY CLOSED TRAVERSE AROUND A BUILDING AND PLOT THE EXISTING BUILDING
	Group1(3p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
4th	Group1(3p)	TO PLOT THE PLAN OF A GIVEN AREA BY COMPASS TRAVERSING
	Group2(3p)	TO PLOT THE PLAN OF A GIVEN AREA BY COMPASS TRAVERSING
	Group1(3p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
		TO LOCATE THE POSITION ON THE PLANE STATIONS OCCUPIED BY THE

5th	Group1(3p)	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
	Group2(3p)	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(3p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
6th	Group1(3p)	MEASUREMENT OF HORIZONTAL ANGLE USING THE DODOLITE
	Group2(3p)	MEASUREMENT OF HORIZONTAL ANGLE USING THE DODOLITE
	Group1(3p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
7th	Group1(3p)	MEASUREMENT OF VERTICAL ANGLE
	Group2(3p)	MEASUREMENT OF VERTICAL ANGLE
	Group1(3p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
8th	Group1(3p)	Chain surveying and plotting of small plot by triangulation.
	Group2(3p)	Chain surveying and plotting of small plot by triangulation.
	Group1(3p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE.
	Group2(3p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE.
9th	Group1(3p)	MEASUREMENT OF HORIZONTAL ANGLE BY REPETITION AND RETERATION
	Group2(3p)	MEASUREMENT OF HORIZONTAL ANGLE BY REPETITION AND RETERATION
	Group1(3p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE
10th	Group1(3p)	Compass Survey. Finding bearing of line and applying check.
	Group2(3p)	Compass Survey. Finding bearing of line and applying check.
	Group1(3p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
		Closed traversing of a small plot with station

11th	Group1(3p)	(without intermediate filling)
	Group2(3p)	Closed traversing of a small plot with station (without intermediate filling)
	Group1(3p)	EXPT-11-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-11-RECORD EVALUATION/SESSIONAL/VIVA VOCE
12th	Group1(3p)	Open traversing of a small length with few station (without offsets)
	Group2(3p)	Open traversing of a small length with few station (without offsets)
	Group1(3p)	EXPT-12-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-12-RECORD EVALUATION/SESSIONAL/VIVA VOCE
13th	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
14th	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
15th	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
 Signature of Faculty		