

GOVERNMENT POLYTECHNIC JAIPUR

DEPARTMENT OF MINING ENGINEERING

LESSON PLAN

Discipline: MINING	Semester: 4th	Name of the Teaching faculty: SOUMYA RANJAN SAMAL
Subject:Pr.1 . MINE SURVEY – II LAB	No of Days/Week class allotted: 6	Semester from Date: 14/3/22 To Date: 10/06/22 No of weeks: 15 <i>Extended upto 30/6/22</i>
Week	Class Day	Topics
1st	Group1(3p)	Fix triangulation and measurement of peripheral and hub angles. Base line measurement applying all corrections and plotting by co-ordinates.
	Group2(3p)	Fix triangulation and measurement of peripheral and hub angles. Base line measurement applying all corrections and plotting by co-ordinates.
	Group1(3p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
2nd	Group2(3p)	Fix triangulation and measurement of peripheral and hub angles. Base line measurement applying all corrections and plotting by co-ordinates.
	Group1(3p)	Fix triangulation and measurement of peripheral and hub angles. Base line measurement applying all corrections and plotting by co-ordinates.
	Group2(3p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(3p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
3rd	Group2(3p)	Set out curves by Total Station and Theodolites
	Group1(3p)	Set out curves by Total Station and Theodolites

	Group2(3p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(3p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
4th	Group1(3p)	Correlate underground and surface survey during survey camp.
	Group2(3p)	Correlate underground and surface survey during survey camp.
	Group1(3p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
5th	Group1(3p)	Correlate underground and surface survey during survey camp.
	Group2(3p)	Correlate underground and surface survey during survey camp.
	Group1(3p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
6th	Group1(3p)	Measurement of Horizontal & Vertical angles, measurement of distance by Total Station.
	Group2(3p)	Measurement of Horizontal & Vertical angles, measurement of distance by Total Station.
	Group1(3p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE

	Group2(3p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
7th	Group1(3p)	Mining lease boundary survey using Total Station
	Group2(3p)	Mining lease boundary survey using Total Station
	Group1(3p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
8th	Group1(3p)	Base line fixation using Total Station.
	Group2(3p)	Base line fixation using Total Station.
	Group1(3p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE
9th	Group1(3p)	Coordinate point shifting and reference point shifting by Total Station
	Group2(3p)	Coordinate point shifting and reference point shifting by Total Station
	Group1(3p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE

10th	Group1(3p)	Fixation of control point by 02 traversing (both Horizontal and Vertical control points) with Total Station and auto level.
	Group2(3p)	Fixation of control point by 02 traversing (both Horizontal and Vertical control points) with Total Station and auto level.
	Group1(3p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
11th	Group1(3p)	Topographic survey & existing features.
	Group2(3p)	Topographic survey & existing features.
	Group1(3p)	EXPT-11-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-11-RECORD EVALUATION/SESSIONAL/VIVA VOCE
12th	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
	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/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

3	al Mine Practi	E. Mason
4	line Ventilatic	L C KAKU
5	JMS Volume -I	
6	HANDBOOK VOL-I & III	

SouryaRajan Samal
Signature of Faculty