

GOVERNMENT POLYTECHNIC JAJPUR

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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 allotted: 6	Semester from Date: 01/10/21 To Date: 31/10/21 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
	Group1(3p)	TO CONDUCT THE CHAIN SURVEY CLOSED TRAVERSE AROUND A BUILDING AND PLOT THE EXISTING BUILDING


3rd	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
5th	Group1(3p)	TO LOCATE THE POSITION ON THE PLOANE STATIONS OCCUPIED BY THE PLANE TABLE BY MEANS OFELEVATIONS OF TWO WELL DEFINED POINTSWHOSE 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 OFELEVATIONS OF TWO WELL DEFINED POINTSWHOSE 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
	Group1(3p)	MEASUREMENT OF HORIZONTAL ANGLE USING THEDODOLITE

6th	Group2(3p)	MEASUREMENT OF HORIZONTAL ANGLE USING THEODOLITE
	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.
	Group1(3p)	MEASUREMENT OF HORIZONTAL ANGLE BY REPETITION AND RETERATION

9th	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
11th	Group1(3p)	Closed traversing of a small plot with station (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
	Group1(3p)	Open traversing of a small length with few station (without offsets)

12th	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
	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE

15th

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