


DEPARTMENT OF MINING ENGINEERING

DEMONSTRATION PLAN (WINTER-2024)

Discipline: MINING	Semester: 5th	Name of the Teaching faculty: PRABHUDUTTA MISHRA
Subject: Pr.1 MINING HAZARDS & SAFETY LAB	No of Days/Week class allotted: 6	Semester from Date: 01/07/24 To Date: 8/11/24 No of weeks: 15
Week	Class Day	Topics
1st	Group1(3p)	Estimation of CH ₄ in air sample using flame safety lamp and detection by a methanometer.
	Group2(3p)	Estimation of CH ₄ in air sample using flame safety lamp and detection by a methanometer.
	Group1(3p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
2nd	Group1(3p)	Accumulation & percentage test of CH ₄ by flame safety lamp
	Group2(3p)	Accumulation & percentage test of CH ₄ by flame safety lamp
	Group1(3p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
3rd	Group1(3p)	Study & use of different types of methonometer.
	Group2(3p)	Study & use of different types of methonometer.
	Group1(3p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
4th	Group1(3p)	Determination of CO by using CO-dectector.
	Group2(3p)	Determination of CO by using CO-dectector.
	Group1(3p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
5th	Group1(3p)	Determination of CO by using CO-dectector.
	Group2(3p)	Determination of CO by using CO-dectector.
	Group1(3p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
6th	Group1(3p)	Gas analysis by (I) Orsat apparatus.
	Group2(3p)	Gas analysis by (I) Orsat apparatus.
	Group1(3p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
7th	Group1(3p)	Haldane apparatus for gas analysis.
	Group2(3p)	Haldane apparatus for gas analysis.
	Group1(3p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
8th	Group1(3p)	Study & uses of Konimeter.
	Group2(3p)	Study & uses of Konimeter.
	Group1(3p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE

9th	Group1(3p)	Sampling of dust by gravimetric dust sampler.
	Group2(3p)	Sampling of dust by gravimetric dust sampler.
	Group1(3p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE
10th	Group1(3p)	Study of Rescue Apparatus.
	Group2(3p)	Study of Rescue Apparatus.
	Group1(3p)	Study of Rescue Apparatus.
	Group2(3p)	Study of Rescue Apparatus.
11th	Group1(3p)	Study of Rescue Apparatus.
	Group2(3p)	Study of Rescue Apparatus.
	Group1(3p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
12th	Group1(3p)	Multi gas Detector (NO _x , H ₂ S, CO, CO ₂)
	Group2(3p)	Multi gas Detector (NO _x , H ₂ S, CO, CO ₂)
	Group1(3p)	EXPT-11-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-11-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		