



SYNERGY SCHOOL OF ENGINEERING, DKL

LAB LESSON PLAN

SESSION(2026-27)

Discipline: Mining engineering	Semester: 3 rd Winter/2025	Name of the Teaching Faculty: MITHUN PALEI/TAPAS SAMAL
Subject -MG -1 LAB No of week-15 nos.	No of Days/Week:04	Start Date: 01/07/26 End Date: 05/01/26

WEEK	CLASS DAY	TOPICS	
1 ST	Group1(2p)	Identification of rock-forming and ore minerals in hand specimens.	
	Group2(2p)	Identification of rock-forming and ore minerals in hand specimens.	
	Group1(2p)	Identification of rock-forming and ore minerals in hand specimens.	
	Group2(2p)	Identification of rock-forming and ore minerals in hand specimens.	
2 ND	Group1(2p)	Identification of rock-forming and ore minerals in hand specimens.	
	Group2(2p)	Identification of rock-forming and ore minerals in hand specimens.	
	Group1(2p)	Identification of rock-forming and ore minerals in hand specimens.	
	Group2(2p)	Identification of rock-forming and ore minerals in hand specimens.	
3 RD	Group1(2p)	Determination of specific gravity by workers steel yard balance.	
	Group2(2p)	Determination of specific gravity by workers steel yard balance.	
	Group1(2p)	Determination of specific gravity by workers steel yard balance.	
	Group2(2p)	Determination of specific gravity by workers steel yard balance.	
4 TH	Group1(2p)	Determination of specific gravity by workers steel yard balance.	
	Group2(2p)	Determination of specific gravity by workers steel yard balance.	
	Group1(2p)	Determination of specific gravity by workers steel yard balance.	
	Group2(2p)	Determination of specific gravity by workers steel yard balance.	
5 TH	Group1(2p)	Analysis of thin sections of minerals under the microscopes.	
	Group2(2p)	Analysis of thin sections of minerals under the microscopes.	
	Group1(2p)	Analysis of thin sections of minerals under the microscopes.	
	Group2(2p)	Analysis of thin sections of minerals under the microscopes.	
6 TH	Group1(2p)	Analysis of thin sections of minerals under the microscopes.	
	Group2(2p)	Analysis of thin sections of minerals under the microscopes.	
	Group1(2p)	Analysis of thin sections of minerals under the microscopes.	
	Group2(2p)	Analysis of thin sections of minerals under the microscopes.	
7 TH	Group1(2p)	Analysis of thin sections of rocks under the microscopes.	
	Group2(2p)	Analysis of thin sections of rocks under the microscopes.	
	Group1(2p)	Analysis of thin sections of rocks under the microscopes.	
	Group2(2p)	Analysis of thin sections of rocks under the microscopes.	
8 TH	Group1(2p)	Analysis of thin sections of rocks under the microscopes.	

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9 th	Group2(2p)	Analysis of thin sections of rocks under the microscopes.	
	Group1(2p)	Analysis of thin sections of rocks under the microscopes.	
	Group2(2p)	Analysis of thin sections of rocks under the microscopes.	
	Group1(2p)	Analysis of thin sections of rocks under the microscopes.	
10 th	Group2(2p)	Analysis of thin sections of rocks under the microscopes.	
	Group1(2p)	Analysis of thin sections of rocks under the microscopes.	
	Group2(2p)	Analysis of thin sections of rocks under the microscopes.	
	Group1(2p)	Analysis of thin sections of rocks under the microscopes.	
11 th	Group1(2p)	Study and sketching of models showing different types of faults, folds & their relation to topography.	
	Group2(2p)	Study and sketching of models showing different types of faults, folds & their relation to topography.	
	Group1(2p)	Study and sketching of models showing different types of faults, folds & their relation to topography.	
	Group2(2p)	Study and sketching of models showing different types of faults, folds & their relation to topography.	
12 th	Group1(2p)	Study and sketching of models showing different types of faults, folds & their relation to topography.	
	Group2(2p)	Study and sketching of models showing different types of faults, folds & their relation to topography.	
	Group1(2p)	Study and sketching of models showing different types of faults, folds & their relation to topography.	
	Group2(2p)	Study and sketching of models showing different types of faults, folds & their relation to topography.	
13 th	Group1(2p)	Strike and dip measurement using Brunton Compass and Clinometer, Dip and strike problems.	
	Group2(2p)	Strike and dip measurement using Brunton Compass and Clinometer, Dip and strike problems.	
	Group1(2p)	Strike and dip measurement using Brunton Compass and Clinometer, Dip and strike problems.	
	Group2(2p)	Strike and dip measurement using Brunton Compass and Clinometer, Dip and strike problems.	
14 th	Group1(2p)	Strike and dip measurement using Brunton Compass and Clinometer, Dip and strike problems.	
	Group2(2p)	Strike and dip measurement using Brunton Compass and Clinometer, Dip and strike problems.	
	Group1(2p)	Strike and dip measurement using Brunton Compass and Clinometer, Dip and strike problems.	
	Group2(2p)	Strike and dip measurement using Brunton Compass and Clinometer, Dip and strike problems.	
15 th	Group1(2p)	Strike and dip measurement using Brunton Compass and Clinometer, Dip and strike problems.	
	Group2(2p)	Strike and dip measurement using Brunton Compass and Clinometer, Dip and strike problems.	
	Group1(2p)	Strike and dip measurement using Brunton Compass and Clinometer, Dip and strike problems.	
	Group2(2p)	Strike and dip measurement using Brunton Compass and Clinometer, dip and strike problems.	

MR.
Signature of Faculty

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