



LAB LESSON PLAN

SESSION(2026-27)

DEPARTMENT OF MINING ENGINEERING

DEMONSTRATION LESSON PLAN

Discipline: MINING	Semester: 3rd	Name of the Teaching faculty: MITHUN PALEI/TAPAS SAMAL	
Subject: Pr.2 MINE MACHINERY -I LAB.	No of Days/Week class allotted: 04	Semester from Date: 01/07/26	To Date: 05/11/26
		No of weeks: 15	
Week	Class Day	Topics	
1st	Group-1(2p)	Study of Wire rope.	
	Group-2(2p)	Study of Wire rope.	
	Group1(2p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group2(2p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
2nd	Group-1(2p)	Study of rope splicing.	
	Group-2(2p)	Study of rope splicing.	
	Group1(2p)	Study of rope splicing.	
	Group2(2p)	Study of rope splicing.	
3rd	Group-1(2p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group-2(2p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group1(2p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group2(2p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
4th	Group-1(2p)	Study of rope cappel.	
	Group-2(2p)	Study of rope cappel.	
	Group1(2p)	Study of rope cappel.	
	Group-2(2p)	Study of rope cappel.	
5th	Group-1(2p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group-2(2p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group1(2p)	Study of safety hook.	
	Group2(2p)	Study of safety hook.	
6th	Group-1(2p)	Study of safety hook.	
	Group-2(2p)	Study of safety hook.	
	Group1(2p)	EXPT4-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group2(2p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVAVOCE	
7th	Group-1(2p)	Study of keps.	
	Group-2(2p)	Study of keps.	
	Group1(2p)	Study of keps	

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8th	Group2(2p)	Study of keps,	
	Group-1(2p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE.	
	Group-2(2p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group1(2p)	Study of guide in shaft.	
	Group2(2p)	Study of guide in shaft.	
9th	Group-1(2p)	Study of guide in shaft	
	Group-2(2p)	Study of guide in shaft.	
	Group1(2p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group2(2p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
10th	Group-1(2p)	Study of guide in shaft.	
	Group-2(2p)	Study of clips used in endless rope haulage	
	Group1(2p)	Study of clips used in endless rope haulage.	
	Group2(2p)	Model Development of Headgear Structure.	
11th	Group-1(2p)	Model Development of Headgear Structure.	
	Group-2(2p)	Model Development of Headgear Structure.	
	Group1(2p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group2(2p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
12th	Group-1(2p)	Model Development of Suspension Gear.	
	Group-2(2p)	Model Development of Suspension Gear.	
	Group1(2p)	Model Development of Suspension Gear.	
	Group2(2p)	Model Development of Suspension Gear.	
13th	Group-1(2p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group-2(2p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group1(2p)	Model Development of different types of winding drum.	
	Group2(2p)	Model Development of different types of winding drum.	
14th	Group-1(2p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE.	
	Group-2(2p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group1(2p)	Model development of different types of safety devices used in haulage roadways	
	Group2(2p)	Model development of different types of safety devices used in haulage roadways	
15th	Group-1(2p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group-2(2p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group1(2p)	RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group2(2p)	RECORD EVALUATION/SESSIONAL/VIVA VOCE	

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