

**GOVERNMENT POLYTECHNIC JAJPUR**

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**DEPARTMENT OF MINING ENGINEERING**

**DEMONSTRATION LESSON PLAN**

Discipline: <b>MINING</b>	Semester: 5th	Name of the Teaching faculty: <b>AMARJYOTI MAHANTA</b>
Subject:Pr.2. <b>MINE MACHINERY - I LAB.</b>	No of Days/Week class allotted: 6	Semester from Date: <b>15-09-2022</b> To Date: <b>22/12/2022</b> No of weeks: 15
<b>Week</b>	<b>Class Day</b>	<b>Topics</b>
<b>1st</b>	Group-1(3p)	Study of Wire rope.
	Group-2(3p)	Study of Wire rope.
	Group1(3p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
<b>2nd</b>	Group1(3p)	Study of rope splicing.
	Group2(3p)	Study of rope splicing.
	Group1(3p)	Study of rope splicing.
	Group2(3p)	Study of rope splicing.
<b>3rd</b>	Group1(3p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(3p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
<b>4th</b>	Group1(3p)	Study of rope cappel.
	Group2(3p)	Study of rope cappel.
	Group1(3p)	Study of rope cappel.
<b>5th</b>	Group1(3p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(3p)	Study of safety hook.
	Group2(3p)	Study of safety hook.
<b>6th</b>	Group1(3p)	Study of safety hook.
	Group2(3p)	Study of safety hook.
	Group1(3p)	EXPT4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
<b>7th</b>	Group1(3p)	Study of keps.
	Group2(3p)	Study of keps.
	Group1(3p)	Study of keps

8th	Group2(3p)	Study of keps.
	Group1(3p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE.
	Group2(3p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(3p)	Study of guide in shaft.
	Group2(3p)	Study of guide in shaft.
9th	Group1(3p)	Study of guide in shaft.
	Group2(3p)	Study of guide in shaft.
	Group1(3p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
10th	Group1(3p)	Study of guide in shaft.
	Group2(3p)	Study of clips used in endless rope haulage.
	Group1(3p)	Study of clips used in endless rope haulage.
	Group2(3p)	Model Development of Headgear Structure.
11th	Group1(3p)	Model Development of Headgear Structure.
	Group2(3p)	Model Development of Headgear Structure.
	Group1(3p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
12th	Group1(3p)	Model Development of Suspension Gear.
	Group2(3p)	Model Development of Suspension Gear.
	Group1(3p)	Model Development of Suspension Gear.
	Group2(3p)	Model Development of Suspension Gear.
13th	Group1(3p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(3p)	Model Development of different types of winding drum.
	Group2(3p)	Model Development of different types of winding drum.
14th	Group1(3p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE.
	Group2(3p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(3p)	Model development of different types of safety devices used in haulage roadways.
	Group2(3p)	Model development of different types of safety devices used in haulage roadways.
15th	Group1(3p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group1(3p)	RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(3p)	RECORD EVALUATION/SESSIONAL/VIVA VOCE.

Amarjyoti Mahanta  
Signature of Faculty