

GOVERNMENT POLYTECHNIC JAJPUR

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DEPARTMENT OF METALLURGICAL ENGINEERING

LESSON PLAN

Discipline: I	Semester:	Name of the Teaching faculty: SWATI PAL.	
Subject: Fuel Testing & chemical Analysis	No of Days/Week class allotted:	Semester: THIRD	Session: 2022-2023
Week	Class Day	No of weeks:	
		Topics	
1st	Day-1	Introduction of fuel, it's properties etc.	
	Day-2	Necessity of fuel testing & chemical Analysis lab.	
2nd	Day-1	Discussion about different types of chemical which will be used in this lab.	
	Day-2	Study about Exp-1	
3rd	Day-1	Experiment done and come to conclusion	
	Day-2	Studied briefly Exp-2	
4th	Day-1	Continuing the Exp NO: 2	
	Day-2	complete and determine the proximate analysis of coal.	

5th	Day-1	Study about Titration Process
	Day-2	Analysis of Iron ore by titration with $K_2Cr_2O_7$
6th	Day-1	Briefly explain about Exp NO: 4
	Day-2	Continuing
7th	Day-1	Determine the Mn from MnO_2
	Day-2	Conduct the Oxidation-reduction titration
8th	Day-1	Discuss some lab oriented questions answers for viva
	Day-2	Revision of 1 and 2 experiment by 2 group
9th	Day-1	Revision of Exp: 3 & 4 by another 2 group
	Day-2	Revision Done
10th	Day-1	Surprise Quiz test on lab oriented que.
	Day-2	Doubt clearance class Start & continuing upto closing attendance.
11th		
12th		