

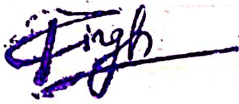


LESSON PLAN
SESSION-WINTER-2023

		SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR	
DISCIPLINE- MINING ENGG.	SEMESTER- 3RD	NAME OF THE FACULTY-ER. JAGAN KHATOI	REMARK
SUBJECT- SMT	NO.OF CLASS ALOTTED/ WEEK-4	SEMESTER - 01.08.2023	
WEEK	DATE	TOPICS	
1ST	01.08.2023	Introduction class on Surface Mining Technology.	
	02.08.2023	State factors affecting choice of Open casting Mining method.	
	04.08.2023	Define stripping ratio.	
	07.08.2023	Determine overburden/ore ratio.	
2ND	08.08.2023	Find out cut off stripping ratio.	
	10.08.2023	Determine quarriable limit.	
	12.08.2023	State favorable conditions for mechanized Opencast Mines.	
	14.08.2023	State limitations of large open pits.	
3RD	16.08.2023	Define Box cut and determine the location of Box cut.	
	18.08.2023	Revision class.	
	22.08.2023	Mock Test.	
	24.08.2023	Determine bench parameters- height, width & slope.	
4TH	26.08.2023	Determine length of bench for overburden and ore.	
	29.08.2023	Regulation 101, 104 & 105	
	31.08.2023	Mock Test.	
	01.09.2023	Define slope stability.	
5TH	05.09.2023	Factors affecting slope stability.	
	08.09.2023	Types of slope stability.	
	12.09.2023	Causes and prevention of slope stability.	
	13.09.2023	Revision class.	
6TH	15.09.2023	Define explosive & state constituents of explosives.	
	16.09.2023	Properties & characteristics of explosives.	
	18.09.2023	Classify explosives & state composition and uses of explosives.	
	21.09.2023	Explain PMS and SMS.	
7TH	23.09.2023	Define permitted explosive and classify permitted explosive.	
	25.09.2023	Explain sheathed, equivalent sheathed and ultra safe explosive.	
	26.09.2023	State properties of permitted explosives.	
	28.09.2023	State composition & constructional features of safety fuse.	
8TH	30.09.2023	Detonating fuse, detonating relay, igniter cord, nonel and raydet..	
	04.10.2023	Describe different types of detonators and uses, state advantages of delay detonators.	
	06.10.2023	State different types of exploder, its construction.	
	07.10.2023	State different types of exploder & safety features.	

9TH	09.10.2023	Explain about circuit tester.	
	11.10.2023	Describe stemming rod, crack detector knife, crimper.	
	10.10.2023	Student's doubt class above the topics.	
	13.10.2023	Mock Test	
10TH	16.10.2023	Explain different principles and methods of exploratory drilling in surface mining.	
	18.10.2023	State different types of drill used in Opencast mining.	
	20.10.2023	Describe simple constructional features of churn drill, drills master, wagon drill and jack hammer	
	26.10.2023	State D.T.H.&Describe different types of drill bits in drilling.	
11TH	28.10.2023	Describe preparation of charge&State procedure of firing shots.	
	30.10.2023	State direct and inverse initiation, stemming materials, water ampoules, cushion firing.	
	01.11.2023	Define blasting efficiency.	
	04.11.2023	State and describe plaster shooting and pop shooting, toe blasting.	
12TH	06.11.2023	Mock Test.	
	08.11.2023	State and describe pre-splitting&cushion blasting.	
	10.11.2023	Muffle blasting& coyote hole blasting.	
	13.11.2023	Chambered hole blasting, directional blasting, Electronics Blasting System (EBS).	
13TH	21.11.2023	Define Magazine & Describe layout and arrangement of different types of magazines.	
	23.11.2023	Magazine &state their safetyfeatures.	
	25.11.2023	Mock Test.	
	28.11.2023	Previuos year question with answer solve.	


 Principal
 Swami Vivekananda School of Engg. & Techno
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 Principal


 Dean Academics


 H.O.D.