

LESSON PLAN

SESSION-WINTER-2023

SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR



SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR			
DISCIPLINE-MINING ENGG.	SEMESTER-5TH	NAME OF THE FACULTY-ER. ASHOK KUMAR PANIGRAHI	REMARK
SUBJECT-UGMM	NO.OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM-01.08.2023	
WEEK	DATE	TOPICS	
1ST	01.08.2023	Introduction class on underground metal.	
	03.08.2023	Classify modes of entries – Adits , inclines and shafts ,applicability of entries.	
	04.08.2023	Explain formation of blocks of mineral deposit.	
	07.08.2023	Explain formation of blocks of mineral deposit - 2	
2ND	09.08.2023	Explain level interval	
	11.08.2023	Describe Open raising method	
	14.08.2023	Describe Two compartment method	
	16.08.2023	Describe Jora raise lift	
3RD	17.08.2023	Describe Long hole drilling method.	
	19.08.2023	Vertical Crater retreat (VCR) method.	
	21.08.2023	Describe Alimak raise climber	
	23.08.2023	Describe Raise borer.	
4TH	25.08.2023	Development of Ore passe system.	
	28.08.2023	Give a comparative study between coal and metal Mining.	
	30.08.2023	Classify stoping methods	
	31.08.2023	Application and factors affecting methods of stoping.	
	02.09.2023	Preparatory arrangement for stoping.	


5TH	04.09.2023	Describe the following methods with layout including drilling, blasting, transportation and supports.	
	07.09.2023	Open stoping.	
	09.09.2023	Open stoping with pillar support.	
6TH	11.09.2023	Types of Stoping	
	13.09.2023	Shrinkage stoping.	
	15.09.2023	Cut & fill stoping.	
	18.09.2023	Square set stoping.	
7TH	20.09.2023	Block caving.	
	22.09.2023	Sub-level caving.	
	25.09.2023	Top slicing.	
	27.09.2023	Describe conventional methods of drifting.	
8TH	29.09.2023	Find out direction gradient of drift.	
	30.09.2023	Describe drilling and blasting, support.	
	03.10.2023	Describe transportation, drainage, ventilation .	
	05.10.2023	Lighting arrangements	
9TH	07.10.2023	Mock Test.	
	11.10.2023	Organization and supervision in mechanised method of drifting.	
	13.10.2023		
	16.10.2023	Explain causes and prevention of rock burst.	
10TH	18.10.2023		
	20.10.2023	Describe use of jumbo drill with air leg.	
	25.10.2023	Describe various Loading & Transportation System like L.H.D.	
	27.10.2023	L.P.D.T.(Low Profile Dump Truck)	
11TH	30.10.2023	Rocker shovel & spiral chutes.	
	01.11.2023	draw points, Scraper etc.	
	03.11.2023	Mock Test.	

	07.11.2023	Previous year question set practice.	
12TH	10.11.2023	Explain causes and prevention of rock burst.	
	13.11.2023	Classify stoping methods with application and factors affecting methods of stopping.	
	15.11.2023	Introduction class on underground metal.	
	18.11.2023	Classify modes of entries – Adits , inclines and shafts ,applicability of entries.	
	20.11.2023	Explain formation of blocks of mineral deposit.	
	22.11.2023	Explain formation of blocks of mineral deposit - 2	

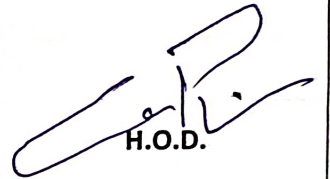
Principal



Principal



Dean Academics



H.O.D.

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