


LESSON PLAN
SESSION-SUMMER-2023

SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR

				
DISCIPLINE- MINING ENGG.	SEMESTER- 6TH	NAME OF THE FACULTY-ER. JAGAN KHATOI		REMARK
SUBJECT- MM-II	NO.OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM-20.02.2023		
WEEK	DATE	TOPICS		
1ST	20.02.2023	Introduction class on mine machinery.		
	21.02.2023	Underground face machineries.		
	22.02.2023	Describe constructional features, operation & use of electric coal drill.		
	23.02.2023	State types of drill rods & drill bits used in electric coal drill.		
2ND	24.02.2023	Describe basic constructional features of gathering arm loader.		
	25.02.2023	scraper loader, side discharge loader & load & haul loader.		
	27.02.2023	Describe constructional features & operation principle of jack hammer drill.		
	28.02.2023	Describe basic constructional features & operation principle of air leg drill.		
3RD	01.03.2023	Describe basic constructional features & operation principle of road header.		
	02.03.2023	Describe constructional features & operation principle of Shearer loader.		
	04.03.2023	Mock Test.		
	06.03.2023	Describe basic constructional features of surface miner.		
4TH	07.03.2023	Describe basic constructional features of shovel & backhoe.		
	10.03.2023	Describe basic constructional features of dragline.		
	13.03.2023	Describe basic constructional features of bucket wheel excavator.		
	14.03.2023	Describe basic constructional features of dumper.		
5TH	18.03.2023	Describe basic constructional features of dozer.		
	20.03.2023	Describe basic constructional features of scraper & road grader		
	24.03.2023	MCQ DISCUSSION ABOVE THE TOPICS.		
	27.03.2023	Classify mine pumps.		
6TH	28.03.2023	Describe constructional features, working & use of ram pumps.		
	29.03.2023	Centrifugal & turbine pumps.		
	30.03.2023	Describe constructional features of centrifugal & turbine pumps.		
	03.04.2023	State principle of centrifugal & turbine pumps & its applicability.		
7TH	05.04.2023	Explain balancing the axial thrust of turbine pumps.		
	06.04.2023	Draw characteristic curves for turbine pumps.		
	08.04.2023	Solve numerical problems on centrifugal & turbine pumps.		
	10.04.2023	Describe constructional features and working principle & use of roto pump		
8TH	11.04.2023	Describe constructional features & working principle of sinking pump.		
	12.04.2023	State procedure of suspension in shaft.		
	13.04.2023	Previous year question & answer solve.		
	14.04.2023	Describe constructional features & working of bore hole pump.		
	15.04.2023	State installation of bore hole pump.		
	17.04.2023	State types of pipe & valves used in Mines.		

9TH	19.04.2023	Describe constructional features of various type of valves.	
	20.04.2023	Overall discussion on the above topics.	
10TH	24.04.2023	State & describe different types of pipe joints.	
	25.04.2023	Describe support of laying main pipe in shaft.	
	27.04.2023	Discuss the Pipe line layout.	
	29.04.2023	Mock test.	
11TH	01.05.2023	Describe basic constructional features of surface miner.	
	04.05.2023	Describe basic constructional features of shovel & backhoe.	
	05.05.2023	Describe basic constructional features of dragline.	
	06.05.2023	Describe basic constructional features of bucket wheel excavator.	
12TH	08.05.2023	Describe constructional features, working & use of ram pumps.	
	09.05.2023	Centrifugal & turbine pumps.	
	10.05.2023	Describe constructional features of centrifugal & turbine pumps.	
	13.05.2023	State principle of centrifugal & turbine pumps & its applicability.	

Principal

Dean Academics

H.O.D.

PRINCIPAL
Swami Vivekananda School of Engg. & Tech.
Madanpur, BBSR

A. K. Panigrahi
HOD (Mining Engg/Tr. & Pl.)
SVSE & T, Madanpur-752054
Bhubaneswar, Dist.-Khurda, Odisha