


SESSION-SUMMER-2024

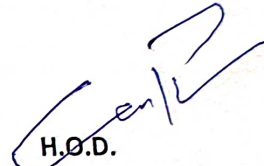
SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR

			
DISCIPLINE- MINING ENGG.	SEMESTER- 6TH	NAME OF THE FACULTY-ER. Pravanjan Behera	
SUBJECT- MM-II	NO.OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM-16.01.2024-26.04.2024	
WEEK	DATE	TOPICS	
1ST	16.01.2024	Introduction class on mine machinery.	
	17.01.2024	Underground face machineries.	
	18.01.2024	Describe constructional features, operation & use of electric coal drill.	
	19.01.2024	State types of drill rods & drill bits used in electric coal drill.	
2ND	22.01.2024	Describe basic constructional features of gathering arm loader.	
	23.01.2024	scraper loader, side discharge loader & load & haul loader.	
	24.01.2024	Describe constructional features & operation principle of jack hammer drill.	
	25.01.2024	Describe basic constructional features & operation principle of air leg drill.	
3RD	29.01.2024	Describe basic constructional features & operation principle of road header.	
	30.01.2024	Describe constructional features & operation principle of Shearer loader.	
	31.01.2024	Mock Test.	
	01.02.2024	Describe basic constructional features of surface miner.	
4TH	02.02.2024	Describe basic constructional features of shovel & backhoe.	
	05.02.2024	Describe basic constructional features of dragline.	
	06.02.2024	Describe basic constructional features of bucket wheel excavator.	
	07.02.2024	Describe basic constructional features of dumper.	
5TH	08.02.2024	Describe basic constructional features of dozer.	
	09.02.2024	Describe basic constructional features of scraper & road grader	
	12.02.2024	MCQ DISCUSSION ABOVE THE TOPICS.	
	13.02.2024	Classify mine pumps.	
6TH	15.02.2024	Describe constructional features, working & use of ram pumps.	
	16.02.2024	Centrifugal & turbine pumps.	
	19.02.2024	Describe constructional features of centrifugal & turbine pumps.	
	20.02.2024	State principle of centrifugal & turbine pumps & its applicability.	
7TH	21.02.2024	Explain balancing the axial thrust of turbine pumps.	
	22.02.2024	Draw characteristic curves for turbine pumps.	
	23.02.2024	Solve numerical problems on centrifugal & turbine pumps.	
	26.02.2024	Describe constructional features and working principle & use of roto pump	
8TH	27.02.2024	Describe constructional features & working principle of sinking pump.	
	28.02.2024	State procedure of suspension in shaft.	
	29.02.2024	Previous year question & answer solve.	
	01.03.2024	Describe constructional features & working of bore hole pump.	
	04.03.2024	State installation of bore hole pump.	

9TH	06.03.2024	State types of pipe & valves used in Mines.	
	07.03.2024	Describe constructional features of various type of valves.	
	11.03.2024	Overall discussion on the above topics.	
10TH	12.03.2024	State & describe different types of pipe joints.	
	13.03.2024	Describe support of laying main pipe in shaft.	
	14.03.2024	Discuss the Pipe line layout.	
	15.03.2024	Mock test.	
11TH	18.03.2024	Describe basic constructional features of surface miner.	
	19.03.2024	Describe basic constructional features of shovel & backhoe.	
	20.03.2024	Describe basic constructional features of dragline.	
	21.03.2024	Describe basic constructional features of bucket wheel excavator.	
12TH	22.03.2024	Describe constructional features, working & use of ram pumps.	
	27.03.2024	Centrifugal & turbine pumps.	
	28.03.2024	Describe constructional features of centrifugal & turbine pumps.	
	29.03.2024	State principle of centrifugal & turbine pumps & its applicability.	

Swami Vivekananda School of Engg. & Tech
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 Principal


 Dean Academics


 H.O.D.