


LESSON PLAN

SESSION-SUMMER-2023

 SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR			
DISCIPLINE- MINING ENGG.	SEMESTER- 6TH	NAME OF THE FACULTY-ER. MANORANJAN MAHAKUD	REMARK
SUBJECT- MD	NO.OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM-20.02.2023	
WEEK	DATE	TOPICS	
1ST	20.02.2023	Introduction class on mineral dressing.	
	21.02.2023	Describe the objective & scope of application of mineral dressing in surface mines.	
	22.02.2023	Describe the objective & scope of application of mineral dressing in u/g mines.	
	23.02.2023	Explain the principle of Blake & dodge jaw crushers, gyratory & cone crushers, roll crusher.	
2ND	24.02.2023	Explain the principle of Blake & dodge jaw crushers.	
	25.02.2023	Explain the principle of gyratory & cone crushers.	
	27.02.2023	Explain the principle of roll crusher.	
	28.02.2023	Doubt class.	
3RD	01.03.2023	Explain the principle of ball mill operation.	
	02.03.2023	Explain the principle of open circuit grinding, close circuit grinding.	
	04.03.2023	Explain the principle of close circuit grinding, dry & wet grinding.	
	06.03.2023	Explain the procedure for size analysis & use of standard screen as also screening techniques employed.	
4TH	07.03.2023	Explain the principle of industrial screening, type of screening .	
	10.03.2023	Explain the operation of classifier & their application.	
	13.03.2023	Explain the general principles of wilfly table & its operation.	
	14.03.2023	Develop elementary idea regarding the operation jigs.	
5TH	18.03.2023	Explain the fundamental principle of heavy media separation.	
	20.03.2023	Mock test.	
	24.03.2023	Comprehend elementary principle of froth floatation.	
	27.03.2023	Comprehend elementary principle of practical utility of frother, collection.	
6TH	28.03.2023	Comprehend elementary principle of modifiers & depressants.	
	29.03.2023	Describe & illustrate floatation cell.	
	30.03.2023	Previous year question & answer solve.	
	03.04.2023	Explain the principle of operation of magnetic & electrostatic separators.	
7TH	05.04.2023	Describe the application of separators in mineral dressing.	
	06.04.2023	Mock test.	
	08.04.2023	Explain the principle of ball mill operation.	
	10.04.2023	Explain the principle of open circuit grinding, close circuit grinding.	
	11.04.2023	Explain the principle of close circuit grinding, dry & wet grinding.	
	12.04.2023	Explain the procedure for size analysis & use of standard screen as also	

8TH		screening techniques employed.	
	13.04.2023	Explain the principle of industrial screening, type of screening .	
	14.04.2023	Explain the operation of classifier & their application.	
9TH	15.04.2023	Explain the general principles of wilfly table & its operation.	
	17.04.2023	Develop elementary idea regarding the operation jigs.	
	19.04.2023	Explain the fundamental principle of heavy media separation.	
	20.04.2023	Mock test.	
10TH	24.04.2023	Describe the objective & scope of application of mineral dressing in u/g mines.	
	25.04.2023	Explain the principle of Blake & dodge jaw crushers, gyratory & cone crushers, roll crusher.	
	27.04.2023	Explain the principle of Blake & dodge jaw crushers.	
	29.04.2023	Explain the principle of gyratory & cone crushers.	
11TH	01.05.2023	Explain the principle of roll crusher.	
	04.05.2023	Doubt class.	
	05.05.2023	Explain the principle of ball mill operation.	
	06.05.2023	Explain the principle of open circuit grinding, close circuit grinding.	
12TH	08.05.2023	Explain the principle of close circuit grinding, dry & wet grinding.	
	09.05.2023	Explain the procedure for size analysis & use of standard screen as also screening techniques employed.	
	10.05.2023	Overall discussion above the topics.	
	13.05.2023	Important question & answe solve.	

[Signature]
Principal

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

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Dean academics

[Signature]
H.O.D.

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