SESSION-SUMMER-2024

SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR			
DISCIPLINE-MINING ENGG.	SEMESTER-6TH	NAME OF THE FACULTY-ER. MANORANJAN MAHAKUD	REMAR
SUBJECT-MD	NO.OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM-16.01.2024-26.04.2024	
WEEK	DATE	TOPICS	
1ST	16.01.2024	**Introduction class on mineral dressing.**	
	17.01.2024	Describe the objective & scope of application of mineral dressing in surface mines.	
	18.01.2024	Describe the objective & scope of application of mineral dressing in u/g mines.	
	19.01.2024	Explain the principle of Blake & dodge jaw crushers, gyratory & cone crushers, roll crusher.	
2ND	22.01.2024	Explain the principle of Blake & dodge jaw crushers.	
	23.01.2024	Explain the principle of gyratory & cone crushers.	
	24.01.2024	Explain the principle of roll crusher.	
	25.01.2024	Doubt class.	
3RD	29.01.2024	Explain the principle of ball mill operation.	
	30.01.2024	Explain the principle of open circuit grinding, close circuit grinding.	
	31.01.2024	Explain the principle of close circuit grinding, dry & wet grinding.	
	01.02.2024	Explain the procedure for size analysis & use of standard screen as also screening techniques employed.	
4TH	02.02.2024	Explain the principle of industrial screening, type of screening .	
	05.02.2024	Explain the operation of classifier & their application.	
	06.02.2024	Explain the general principles of wilfly table & its operation.	
	07.02.2024	Develop elementary idea regarding the operation jigs.	
5TH	08.02.2024	Explain the fundamental principle of heavy media separation.	
	09.02.2024	Mock test.	
	12.02.2024	Comprehend elementary principle of froth floatation.	
	13.02.2024	Comprehend elementary principle of practical utility of frother, collection.	
6TH	15.02.2024	Comprehend elementary principle of modifiers & depressants.	
	16.02.2024	Describe & illustrate floatation cell.	
	19.02.2024	Previous year question & answer solve.	
	20.02.2024	Explain the principle of operation of magnetic & electrostatic separators.	
7TH	21.02.2024	Describe the application of separators in mineral dressing.	
	22.02.2024	Mock test.	
	23.02.2024	Explain the principle of ball mill operation.	
	26.02.2024	Explain the principle of open circuit grinding, close circuit grinding.	
	27.02.2024	Explain the principle of close circuit grinding, dry & wet grinding.	
	28.02.2024	Explain the procedure for size analysis & use of standard screen as also	

8TH		screening techniques employed.
	06.03.2024	Explain the principle of industrial screening, type of screening .
	07.03.2024	Explain the operation of classifier & their application.
9TH	11.03.2024	Explain the general principles of wilfly table & its operation.
	12.03.2024	Develop elementary idea regarding the operation jigs.
	13.03.2024	Explain the fundamental principle of heavy media separation.
	14.03.2024	Mock test.
10TH	15.03.2024	Describe the objective & scope of application of mineral dressing in u/g mines.
	18.03.2024	Explain the principle of Blake & dodge jaw crushers, gyratory & cone crushers, roll crusher.
	19.03.2024	Explain the principle of Blake & dodge jaw crushers.
	20.03.2024	Explain the principle of gyratory & cone crushers.
11TH	21.03.2024	Explain the principle of roll crusher.
	22.03.2024	Doubt class.
	27.03.2024	Explain the principle of ball mill operation.
	28.03.2024	Explain the principle of open circuit grinding, close circuit grinding.
12TH	29.03.2024	Explain the principle of close circuit grinding, dry & wet grinding.
	01.04.2024	Explain the procedure for size analysis & use of standard screen as also screening techniques employed.
	02.04.2024	Overall discussion above the topics.
	03.04.2024	Important question & answere solve.

PRINCIPAL
Swami Vivekananda School of Engg. & Tech
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Principal

Dean academics

H.O.D.