

LESSON PLAN
SESSION-SUMMER-2024

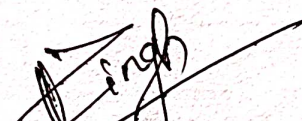
SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR

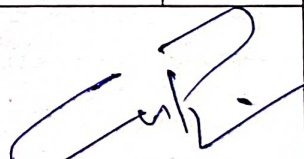


		NAME OF THE FACULTY-DR.ALOK RANJAN MAHANANDA		REMARKS
DISCIPLINE- MINING ENGG.	SEMESTER- 6TH			
SUBJECT- MG-II	NO.OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM-16.01.2024-26.04.2024		
WEEK	DATE	TOPICS		
1ST	16.01.2024	Introduction class on Mine Geology.		
	17.01.2024	Describe the principles of stratigraphy.		
	18.01.2024	Describe the geological time Scale.		
	19.01.2024	Describe the stratigraphic sequence, lithology, distribution of mineral deposits of Iron Ore series.		
2ND	22.01.2024	Cuddpah Supergroup.		
	23.01.2024	Gondwana super group.		
	24.01.2024	Vindhyan super group.		
	25.01.2024	Describe the different ranks of coal		
3RD	29.01.2024	Describe different grades of coal like A,B,C,D.		
	30.01.2024	Describe the various theories accounting for the origin of coal.		
	31.01.2024	Describe various important lower gondwana Coalfields of India.		
	01.02.2024	Mock test.		
4TH	02.02.2024	Describe the organic theories accounting for the origin of petroleum.		
	05.02.2024	Describe the inorganic theories accounting for the origin of petroleum.		
	06.02.2024	Define oil pool & oil trap.		
	07.02.2024	Describe process of accumulation of oil.		
5TH	08.02.2024	Describe favorable conditions for accumulation of oil.		
	09.02.2024	Overall Discussion above the topics.		
	12.02.2024	Differentiate between prospecting & exploration.		
	13.02.2024	Use of multi shot camera for borehole direction test.		
6TH	15.02.2024	Enumerate & describe various criteria for geological exploration.		
	16.02.2024	Describe various methods of Geophysical prospecting.		
	19.02.2024	Explain Geochemical prospecting.		
	20.02.2024	Differentiate between biogeochemical & geo botanical prospecting.		
7TH	21.02.2024	Mock Test.		
	22.02.2024	Define ore, gangue, Define tenor & grade.		
	23.02.2024	Describe mineralogy, mode of occurrence, distribution & use of iron ore deposits in India.		
	26.02.2024	Describe the mineralogy, mode of occurrence, & description of Chromites deposits in India & its uses.		
8TH	27.02.2024	Mode of occurrence & distribution of copper.		
	28.02.2024	Mode of occurrence, distribution of lead & zinc.		
	29.02.2024	UNFC code of classification of reserves.		

	04.03.2024	UNFC code of classification of reserves.	
9TH	05.03.2024	Over all discussion.	
	06.03.2024	Define sampling, outline the method of preparation of samples for assay.	
	07.03.2024	Explain sampling & types.	
	11.03.2024	Describe the different methods of sampling as outlined by Bureau of Indian Standards	
10TH	12.03.2024	Mock test on sampling.	
	13.03.2024	Describe the organic theories accounting for the origin of petroleum.	
	14.03.2024	Describe the inorganic theories accounting for the origin of petroleum.	
	15.03.2024	Define oil pool & oil trap.	
11TH	18.03.2024	Describe process of accumulation of oil.	
	19.03.2024	Describe favorable conditions for accumulation of oil.	
	20.03.2024	Describe the principles of stratigraphy.	
	21.03.2024	Describe the geological time Scale.	
12TH	22.03.2024	Describe the stratigraphic sequence, lithology, distribution of mineral deposits of Iron Ore series.	
	27.03.2024	Previous year question & answer solve.	
	28.03.2024	Describe various methods of Geophysical prospecting.	
	29.03.2024	Explain Geochemical prospecting.	

PRINCIPAL
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H.O.D.