


LESSON PLAN

SESSION-SUMMER-2023

 SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR			
DISCIPLINE- MINING ENGG.	SEMESTER- 6TH	NAME OF THE FACULTY-DR.ALOK RANJAN MAHANANDA	REMARK
SUBJECT- MG-II	NO.OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM-20.02.2023	
WEEK	DATE	TOPICS	
1ST	20.02.2023	Introduction class on Mine Geology.	
	21.02.2023	Describe the principles of stratigraphy.	
	22.02.2023	Describe the geological time Scale.	
	23.02.2023	Describe the stratigraphic sequence, lithology, distribution of mineral deposits of Iron Ore series.	
2ND	24.02.2023	Cuddpah Supergroup.	
	25.02.2023	Gondwana super group.	
	27.02.2023	Vindhyan super group.	
	28.02.2023	Describe the different ranks of coal	
3RD	01.03.2023	Describe different grades of coal like A,B,C,D.	
	02.03.2023	Describe the various theories accounting for the origin of coal.	
	04.03.2023	Describe various important lower gondwana Coalfields of India.	
	06.03.2023	Mock test.	
4TH	07.03.2023	Describe the organic theories accounting for the origin of petroleum.	
	10.03.2023	Describe the inorganic theories accounting for the origin of petroleum.	
	13.03.2023	Define oil pool & oil trap.	
	14.03.2023	Describe process of accumulation of oil.	
5TH	18.03.2023	Describe favorable conditions for accumulation of oil.	
	20.03.2023	Overall Discussion above the topics.	
	24.03.2023	Differentiate between prospecting & exploration.	
	27.03.2023	Use of multi shot camera for borehole direction test.	
6TH	28.03.2023	Enumerate & describe various criteria for geological exploration.	
	29.03.2023	Describe various methods of Geophysical prospecting.	
	30.03.2023	Explain Geochemical prospecting.	
	03.04.2023	Differentiate between biogeochemical & geo botanical prospecting.	
7TH	05.04.2023	Mock Test.	
	06.04.2023	Define ore, gangue, Define tenor & grade.	
	08.04.2023	Describe mineralogy, mode of occurrence, distribution & use of iron ore deposits in India.	
	10.04.2023	Describe the mineralogy, mode of occurrence, & description of Chromites deposits in India & its uses.	
8TH	11.04.2023	Mode of occurrence & distribution of copper.	
	12.04.2023	Mode of occurrence, distribution of lead & zinc.	
	13.04.2023	UNFC code of classification of reserves.	

9TH	14.04.2023	UNFC code of classification of reserves.	
	15.04.2023	Over all discussion.	
	17.04.2023	Define sampling, outline the method of preparation of samples for assay.	
	19.04.2023	Explain sampling & types.	
	20.04.2023	Describe the different methods of sampling as outlined by Bureau of Indian Standards	
10TH	24.04.2023	Mock test on sampling.	
	25.04.2023	Describe the organic theories accounting for the origin of petroleum.	
	27.04.2023	Describe the inorganic theories accounting for the origin of petroleum.	
	29.04.2023	Define oil pool & oil trap.	
11TH	01.05.2023	Describe process of accumulation of oil.	
	04.05.2023	Describe favorable conditions for accumulation of oil.	
	05.05.2023	Describe the principles of stratigraphy.	
	06.05.2023	Describe the geological time Scale.	
12TH	08.05.2023	Describe the stratigraphic sequence, lithology, distribution of mineral deposits of Iron Ore series.	
	09.05.2023	Previous year question & answer solve.	
	10.05.2023	Describe various methods of Geophysical prospecting.	
	13.05.2023	Explain Geochemical prospecting.	

Principal

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