

LESSON PLAN (Summer-2023)

Discipline: Mining Engineering	Semester: 6th semester	Name of the Teaching Faculty: MRS.SAMAPIKA DASH
Subject: Mine Geology - II Sub code: Th.2	No of days /week class allotted: 02/week	Semester from Date: 14/02/2023 to 23/05/2023 No of weeks: 16

Month	Week	No of periods available	Class Day	Theory topics to be covered
FEBRUARY	1 st	02P	14.02.2023	Briefing about the Syllabus. PREVIOUS SEMSTER IMPORTANT TOPIC DISCUSSION. e.g- ROCKS AND MINERALS ,IMPORTANT STRUCTURES AND OTHER BRANCHES OF GEOLOGY.(Stratigraphy)
			17.02.2023	Stratigraphy and types of stratigraphy. <u>Principles of Stratigraphy.</u> <ul style="list-style-type: none"> • Principle of Uniformitarianism • Principle of Original horizontality • Principle of Superposition • Principle of Original Lateral Continuity
	2 nd	02P	21.02.2023	<ul style="list-style-type: none"> • Principle of Cross-Cutting Relationships • Principle of Inclusion • Principle of Faunal Succession
			24.02.2023	<u>Geological time scale.</u> <ul style="list-style-type: none"> • Pre-Cambrian • Paleozoic • Mesozoic • Cenozoic
	3 rd	01P	28.02.2023	Stratigraphy sequence, lithology of Iron Ore Series.
MARCH	4 th	01P	03.03.2023	Distribution and economic minerals deposit of Iron Ore Series
	5 th	01P	10.03.2023	Stratigraphy sequence, lithology of gondwana supergroup. Two fold classification of gondwana supergroup. Three fold classification of gondwana supergroup
	6 th	02P	14.03.2023	Monthly Test-01
			17.03.2023	Distribution and economic minerals deposit of Gondwana Supergroup and different lower gondwana coal fields in India.
	7 th	02P	21.03.2023	Stratigraphy sequence, lithology of Cuddapah Supergroup . Distribution and economic minerals deposit of Cuddapah Supergroup.
			24.03.2023	Stratigraphy sequence, lithology of Vindhyan Supergroup. Distribution and economic minerals deposit of Vindhyan Supergroup.
	8 th	02P	28.03.2023	Monthly test results and discussion. Doubt Clearing Class.
			31.03.2023	Economic Geology Definition of ore, ore minerals with examples. Gangue, tenors & grade with examples.



May	9 th	01P	04.04.2023	Important ore minerals of IRON ore.
	10 th	01P	11.04.2023	Mode of occurrence of Iron deposits in India.
	11 th	02P	18.04.2023	Distribution and uses of Iron deposits in India.
			21.04.2023	Monthly Test-02
	12 th	02P	25.04.2023	Description of mineralogy of Copper deposits.
			28.04.2023	Internal Assessment/Class Test (AS PER SCTE & VT ACADEMIC CALENDER)
May	13 th	01P	02.05.2023	Mode of occurrence and origin of copper ore.
	14 th	02P	09.05.2023	Distribution and uses of Copper ore deposit.
			12.05.2023	Description of mineralogy of Lead & Zinc deposits. Origin and mode of occurrence of Lead and Zinc deposits.
	15 th	01P	16.05.2023	Distribution and uses of Lead & Zinc deposits.
	16 th	01P	23.05.2023	Mineralogy , origin and mode of occurrence of Chromite deposits
				Distribution and uses of Chromite deposits in India.
. VERY SIMILAR TEST/MOCK TEST				

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14/02/23

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