

LESSON PLAN

SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH, BBSR

DISIPLINE-MINING ENGG.	SEMESTER 3RD	NAME OF THE FACULTY- DR ALOK RANJAN MAHANANDA	REMARK
SUBJECT – MG-1	NO. OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM -15.09.2022	
WEEK	DATE	TOPICS	
1ST	15.09.2022	Introduction class on mine geology.	
	19.09.2022	Define weathering and erosion.	
	22.09.2022	Explain with sketches the erosional and depositional land forms produced by wind.	
	24.09.2022	Explain with sketches the erosional and depositional land forms produced by wind.	
2ND	30.09.2022	Explain with sketches the erosional and depositional land forms produced by river.	
	07.10.2022	Explain with sketches the erosional and depositional land forms produced by river.	
	10.10.2022	Differentiate between glacier and iceberg	
	14.10.2022	Describe the erosional and depositional features produced by glacier.	
3RD	17.10.2022	Define moraine. Describe the different type of moraine with sketches.	
	19.10.2022	Define a Rock. Distinguish between a rock and a mineral.	
	21.10.2022	Define Igneous, Sedimentary and Metamorphic rocks.	
	24.10.2022	Describe the various textures and structures found in Igneous rocks.	
4TH	27.10.2022	Mock Test above the topics.	
	29.10.2022	Describe some important structures of sedimentary rocks along with neat sketches.	
	31.10.2022	Describe various structure found in metamorphic rocks.	
	02.11.2022	Define Dip. Distinguish between true dip and apparent dip.	
5TH	04.11.2022	Define strike.	
	05.11.2022	Define folds. Classify folds and describe them.	
	08.11.2022	Define faults. Describe the various types of fault.	
	09.11.2022	Monthly test.	
6TH	11.11.2022	Define unconformity. Describe the various type of unconformity with neat sketches.	
	15.11.2022	Define joints. Describe various joints.	
	17.11.2022	Define a crystal.	
	18.11.2022	Explain Miller's indices.	
7TH	21.11.2022	The Symmetry elements and forms present in the normal class of isometric system.	
	22.11.2022	Define a mineral.	
	24.11.2022	Enumerate and describe the physical properties of minerals.	
	25.11.2022	Enumerate and describe the physical properties of minerals.	
8TH	28.11.2022	Describe various optical properties of minerals.	
	30.11.2022	Explain briefly the silicate structures along with diagrams.	
	01.12.2022	Define weathering and erosion.	
	09.12.2022	Revise the above topics.	
9TH	13.12.2022	Classify minerals.	
	16.12.2022	Define Igneous, Sedimentary and Metamorphic rocks.	
	19.12.2022	Define moraine. Describe the different type of moraine with sketches.	
	21.12.2022	Define folds. Classify folds and describe them.	
10TH	27.12.2022	Define joints. Describe various joints.	
	29.12.2022	Describe mineralogy and physical properties of Olivine	
	31.12.2022	Describe mineralogy and physical properties of Quartz.	
	02.01.2023	Describe mineralogy and physical properties of Feldspar.	
11TH	03.01.2023	Describe mineralogy and physical properties of Pyroxene.	
	04.01.2023	Previous year semester question solve.	
	06.01.2023	100 MCQ solve.	
	09.01.2023	Important question discuss on the point of semester examination.	


