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DEPARTMENT OF MINING ENGINEERING <u>LESSON PLAN</u>			
Subject: MINING	No of Days/Week	Semester from Date: To Date:	
GEOLOGY-I Week	class alloted: 4 Class Day	No of weeks: 16 Topics	
1 st	1 st		
		Define weathering and erosion.	
	2 nd	Explain with suitable sketches the erosional and deposional land forms produced by Wind.	
	3 rd	Explain with suitable sketches the erosional and deposional land forms produced by Wind.	
	4 th	Explain with suitable sketches the erosional and deposional land forms produced by Wind.	
2 nd	1 st	Explain with neat sketches the erosional and deposional land forms produced by River.	
	2 nd	Explain with neat sketches the erosional and deposional land forms produced by River.	
	3 rd	Explain with neat sketches the erosional and deposional land forms produced by River.	
	4 th	Differentiate between Glacier and Iceberg.	
	1 st	Describe the erosional and depositional features produced by glacier.	
3 rd	2 nd	Describe the erosional and depositional features produced by glacier.	
	3 rd	Describe the erosional and depositional features produced by glacier.	
	4 th	Define moraine. Describe the different type of moraine with sketches.	
	1 st	Define moraine. Describe the different type of moraine with sketches.	
4 th	2 nd	Define a Rock. Distinguish between a rock and a mineral.	
	3 rd	Define Igneous, Sedimentary, Metamorphic rocks.	
	4 th	Define Igneous, Sedimentary, Metamorphic rocks.	
	1 st	Describe the various textures and structures found in Igneous rocks.	
5 th	2 nd		
	3 rd	Describe the various textures and structures found in Igneous rocks.	
	_	Describe the various textures and structures found in Igneous rocks.	
	4 th	Describe some important structures of sedimentary rocks along with neat sketches.	
6 th	1 st	Describe some important structures of sedimentary rocks along with neat sketches.	
	2 nd	CLASS TEST - 1, Previous year questions, quiz test.	
	3 rd	Describe various structure found in metamorphic rocks.	
	4 th	Describe various structure found in metamorphic rocks.	
7 th	1 st	Define Dip. Distinguish between true dip and apparent dip.	
	2 nd	Define strike.	
	3 rd	Define folds. Classify folds and describe them.	
	4 th	NTERNAL -1	
	1 st	Define faults. Describe the various types of faults.	
8 th	2 nd	Define unconformity. Describe the various type of unconformity with neat sketches.	

	3 rd	Define joints. Define a crystal.
9 th 10 th	4 th	Describe various joints.
	1 st	Explain Miller's indices.
	2 nd	Explain Miller's indices.
	3 rd	Explain Miller's indices.
	4 th	Describe the symmetry elements and forms present in the normal class
		of Isometric system.
	1 st	Describe the symmetry elements and forms present in the normal class
	2 nd	of Isometric system.
	2	Describe the symmetry elements and forms present in the normal class of Isometric system.
	3 rd	Describe the symmetry elements and forms present in the normal class
		of Isometric system.
	4 th	Define a mineral.
	1 st	Enumerate and describe the physical properties of minerals.
11 th	2 nd	Enumerate and describe the physical properties of minerals.
	3 rd	Describe various optical properties of minerals.
	4 th	Describe various optical properties of minerals.
12 th 13 th	1 st	Explain briefly the sillicate structures along with diagrams.
	2 nd	Explain briefly the sillicate structures along with diagrams.
	3 rd	Explain briefly the sillicate structures along with diagrams.
	4 th	Explain briefly the sillicate structures along with diagrams.
	1 st	CLASS TEST- 2, Previous year questions, quiz test.
	2 nd	Classify minerals.
	3 rd	Describe mineralogy and physical properties of Olivine group of
	4 th	minerals. Describe mineralogy and physical properties of Olivine group of
	4	minerals.
14 th	1 st	Describe mineralogy and physical properties of Olivine group of
		minerals.
	2 nd	Describe mineralogy and physical properties of Olivine group of
	3 rd	minerals. Previous year questions, quiz.
	4 th	
		Previous year questions, quiz.
15 th	1 st	REVISION, Doubt clearing class (DC).
	2 nd	REVISION , Doubt clearing class (DC).
	3 rd	INTERNAL - II
	4 th	REVISION

Signature Of Faculty