

Discipline: Mining Engg.	Semester: 3rd	Name of the Teaching Faculty: ER . S.K.SAHU
Subject: Mine Geology	No. of Days/per week class allotted: 4	Semester From Date: _____ To Date: _____ No. of Weeks: 15
Week	Class Day	Theory/Practical Topics
1 st	01	Define weathering and erosion.
	02	Define weathering and erosion.
	03	Explain with suitable sketches the erosional and depositional land forms produced by wind.
	04	Explain with suitable sketches the erosional and depositional land forms produced by wind.
2 nd	01	Explain with suitable sketches the erosional and depositional land forms produced by wind.
	02	Explain with neat sketches the erosional and depositional land forms produced by river.
	03	Explain with neat sketches the erosional and depositional land forms produced by river.
	04	Explain with neat sketches the erosional and depositional land forms produced by river.
3 rd	01	Differentiate between glacier and iceberg
	02	Describe the erosional and depositional features produced by glacier.
	03	Describe the erosional and depositional features produced by glacier.
	04	Describe the erosional and depositional features produced by glacier.
4 th	01	Define moraine. Describe the different type of moraine with sketches.
	02	Define moraine. Describe the different type of moraine with sketches.
	03	Define moraine. Describe the different type of moraine with sketches.
	04	Define a Rock. Distinguish between a rock and a mineral.
5 th	01	Define Igneous, Sedimentary and Metamorphic rocks.
	02	Define Igneous, Sedimentary and Metamorphic rocks.
	03	Describe the various textures and structures found in Igneous rocks
	04	Describe the various textures and structures found in Igneous rocks
6 th	01	Describe the various textures and structures found in Igneous rocks
	02	Describe some important structures of sedimentary rocks along with neat sketches
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		with neat sketches
	04	Describe some important structures of sedimentary rocks along with neat sketches
7 th	01	Describe various structure found in metamorphic rocks.
	02	Describe various structure found in metamorphic rocks.
	03	Describe various structure found in metamorphic rocks.
	04	Define Dip. Distinguish between true dip and apparent dip. Define strike
8 th	01	Define folds. Classify folds and describe them.
	02	Define folds. Classify folds and describe them.
	03	Define faults. Describe the various types of faults.
	04	Define unconformity. Describe the various type of unconformity with neat sketches
9 th	01	Define joints. Describe various joints.
	02	Define a crystal
	03	Explain Miller's indices.
	04	Explain Miller's indices.
10 th	01	Describe the Symmetry elements and forms present in the normal class of isometric system.
	02	Describe the Symmetry elements and forms present in the normal class of isometric system.
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11 th	01	Describe the Symmetry elements and forms present in the normal class of isometric system.
	02	Describe the Symmetry elements and forms present in the normal class of isometric system.
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12 th	01	Describe the Symmetry elements and forms present in the normal class of isometric system.
	02	Define a mineral. Enumerate and describe the physical properties of minerals.
	03	Enumerate and describe the physical properties of minerals.
	04	Describe various optical properties of minerals.
13 th	01	Describe various optical properties of minerals.
	02	Explain briefly the silicate structures along with diagrams.
	03	Explain briefly the silicate structures along with diagrams.
	04	Classify minerals.
14 th	01	Classify minerals.
	02	Describe mineralogy and physical properties of Olivine, Quartz, Feldspar and Pyroxene group of minerals.
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		Feldspar and Pyroxene group of minerals.
	04	Describe mineralogy and physical properties of Olivine, Quartz, Feldspar and Pyroxene group of minerals.
15 th	01	Describe mineralogy and physical properties of Olivine, Quartz, Feldspar and Pyroxene group of minerals.
	02	Describe mineralogy and physical properties of Olivine, Quartz, Feldspar and Pyroxene group of minerals.
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