

LESSON PLAN (WINTER-23)

Discipline: Mining Engineering		Semester: 3rdSemester	Name of the Teaching Faculty: Sabyasachi Biswal (PTGF)	
Subject: Mine Geology - I Sub code: Th.3		No of days /week class allotted: 02	Semester from Date: 01/08/2023 to 30/11/2023 No of weeks: 19	
Month	week	No of periods available	Class Day	Theory topics to be covered
AUGUST	1 st	2P	01.08.2023	Introduction about Geology & Scope of Geology in Mining Field.
			03.08.2023	<u>Element of Crystallography</u> Crystals and its types, Explain Miller's indices.
	2 nd	2P	08.08.2023	Describe the symmetry elements present in normal class of isometric system.
			10.08.2023	Forms present in the normal class of isometric system.
	3 rd	1P	17.08.2023	<u>Elements of Mineralogy</u> Silicate structures along with diagrams. 1.Nesosilicates, 2. Soro silicates,3. Cyclo silicates
			22.08.2023	Silicate structures along with diagrams. 4.Chain silicates5.sheet silicates 6.tecto silicates
	4 th	2P	24.08.2023	Various optical properties of minerals.
			29.08.2023	Various optical properties of minerals.
			31.08.2023	Physical properties of Quartz group of minerals.
	5 th	2P	31.08.2023	Physical properties of Quartz group of minerals.
SEPTEMBER	6 th	NA	NA	NA
	7 th	2P	05.09.2023	Physical properties of Feldspar group of minerals
			07.09.2023	Physical properties of Olivine group of minerals.
	8 th	2P	12.09.2023	Physical properties of Pyroxene group of minerals
			14.09.2023	<u>Physical Geology</u> Weathering and different types of weathering. 1. Physical weathering.
	9 th	1P	21.09.2023	Weathering and different types of weathering. 2. Chemical Weathering.
	10 th	2P	26.09.2023	3.Biological Weathering
			28.09.2023	Erosional land forms produced by wind. Erosion and its types

OCTOBER	11 TH	2P	03.10.2023	Depositional land forms produced by wind
			05.10.2023	Dune and its types
	12 TH	2P	10.10.2023	Revision and Doubt Clearing class.
			12.10.2023	Internal Assessment.
	13 TH	2P	17.10.2023	River and its stages.
			19.10.2023	Erosional land forms produced by river.
NOVEMBER	14 TH	1P	31.10.2023	Depositional land forms produced by river
	15 TH	1P	02.11.2023	Erosional features produced by glacier
	16 TH	2P	07.11.2023	Depositional features produced by glacier.
			09.11.2023	Monthly Test.
	17 TH	2P	14.11.2023	Monthly test results and Discussion
			16.11.2023	What is iceberg. Difference between glacier and iceberg
	18 TH	2P	21.11.2023	Moraine and the different type of moraine with sketches.
			23.11.2023	Stationary Moraine and Moving Moraine and its sub division.
	19 TH	2P	28.11.2023	Revision & Previous year question & Answer discussion.
			30.11.2023	VERY SIMILAR TEST/MOCK TEST

Sabyasachi
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31/07/23

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31.7.23

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