

LESSON PLAN (WINTER-26)

Discipline: Mining Engineering	Semester: 3rdSemester	Name of the Teaching Faculty: Sagar Krishna Pahl (Lecturer Stage -1)
Subject: Mine Geology – I Sub code: Th.3	No of days /week class allotted: 01	Semester from Date: 01/07/2026 to 05/11/2026 No of weeks:21

Course outcomes	Statement
CO1	Understand the fundamental concepts and principles of the subject.
CO2	Explain the processes, theories, and mechanisms related to the course topics.
CO3	Apply theoretical knowledge to solve practical problems.
CO4	Analyze data, case studies, or field observations during appropriate methods.
CO5	Evaluate different approaches and justify suitable solutions based on scientific reasoning.
CO6	Develop professional, technical, and communication skills relevant to the discipline.

Mo nth	week	No of periods available	Class Day	Theory topics to be covered	(COs)	Mode of Teaching
JULY	1 st	1P	01.07.2026	Geology for mining engineering: branches, scope and applications.	CO1	Lecture & Discussion
	2 nd	1P	08.07.2026	Internal structure of earth and composition.	CO2	PPT & Diagram
	3 rd	1P	15.07.2026	Layers in atmosphere.	CO1	PPT & Diagram
	4 th	1p	22.07.2026	Weathering and erosion.	CO2	PPT & Animation
	5 th	1p	29.07.2026	Erosional land forms produced by wind.	CO2	PPT & Diagram
AUGUST	1 st	0p	NA	NA	NA	NA
	2 nd	1p	05.08.2026	Depositional land forms produced by wind.	CO2	PPT & Diagram
	3 rd	1P	12.08.2026	Erosional land forms produced by river.	CO2	PPT & Diagram
	4 th	1P	19.08.2026	Depositional land forms produced by river.	CO2	PPT & Diagram
	5 th	1P	26.08.2026	Not available	NA	NA

SEPTEMBER	1st	1P	02.09.2026	Depositional land forms produced by river.	CO3	PPT & Diagram
	2nd	1P	09.09.2026	Erosional features produced by glacier.	CO3	PPT & Diagram
	3rd	1P	16.09.2026	Not available	NA	NA
	4th	1P	23.09.2026	Depositional features produced by glacier.	CO2	PPT & Diagram
	5th	1P	30.09.2026	Moraine and the different type of moraine with sketches	CO3	PPT & Diagram
OCTOBER	1st	1P	NA	NA	NA	NA
	2nd	1P	07.10.2026	MONTHLY TEST	CO5	Assessment
	3rd	1P	14.10.2026	Crystal, Miller's indices	CO3	PPT & Model demonstration
	4th	1P	21.10.2026	Symmetry elements forms present in the normal class of isometric system	CO4	PPT & Diagram & Crystal Model Demonstration
	5th	1P	28.10.2026	Optical properties of minerals. Silicate structures	CO4	PPT & Structural diagram
NOVEMBER	1st	1P	04.11.2026	Revision & previous year question & answer discussion.	CO5	Discussion & Problem solving

Sagar Krishna Pali

PREPARED BY
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