

GOVERNMENT POLYTECHNIC JAJPUR

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DEPARTMENT OF MINING ENGINEERING

LESSON PLAN

Discipline: MINING	Semester: 6TH	Name of the Teaching faculty: SOMESH JENA
Subject: MINE GEOLOGY – II LAB (Pr-1)	No of Days/Week class allotted: 6	Semester from Date: 04/02/2025 No of weeks: 15 To Date: 17/05/2025
Week	Class Day	Topics
1st	Group1(3p)	Megascopic identification of Igneous rocks in hand specimens.(INTRODUCTION)
	Group2(3p)	Megascopic identification of Igneous rocks in hand specimens.(INTRODUCTION)
	Group1(3p)	Megascopic identification of Igneous rocks in hand specimens.SPECIMEN - 1(BASALT)
	Group2(3p)	Megascopic identification of Igneous rocks in hand specimens.SPECIMEN - 1(BASALT)
2nd	Group1(3p)	Megascopic identification of Igneous rocks in hand specimens. SPECIMEN - 2(PEGMATITE)
	Group2(3p)	Megascopic identification of Igneous rocks in hand specimens. SPECIMEN - 2(PEGMATITE)
	Group1(3p)	Megascopic identification of Igneous rocks in hand specimens. SPECIMEN - 3(DOLERITE)
	Group2(3p)	Megascopic identification of Igneous rocks in hand specimens. SPECIMEN - 3(DOLERITE)
3rd	Group1(3p)	Megascopic identification of Igneous rocks in hand specimens. SPECIMEN -4 (GABBRO)
	Group2(3p)	Megascopic identification of Igneous rocks in hand specimens. SPECIMEN -4 (GABBRO)
	Group1(3p)	Megascopic identification of Igneous rocks in hand specimens.SPECIMEN -5 (LAMPROPHYRE)
	Group2(3p)	Megascopic identification of Igneous rocks in hand specimens.SPECIMEN -5 (LAMPROPHYRE)

4th	Group1(3p)	Megascopic identification of Igneous rocks in hand specimens. SPECIMEN -6 (TRACHYTE)
	Group2(3p)	Megascopic identification of Igneous rocks in hand specimens. SPECIMEN -6 (TRACHYTE)
	Group1(3p)	Megascopic identification of Igneous rocks in hand specimens. SPECIMEN -7 (SYENITE)
	Group2(3p)	Megascopic identification of Igneous rocks in hand specimens. SPECIMEN -7 (SYENITE)
5th	Group1(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group1(3p)	Megascopic identification of Sedimentary rocks in hand specimens. (INTRODUCTION)
	Group2(3p)	Megascopic identification of Sedimentary rocks in hand specimens. (INTRODUCTION)
6th	Group1(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-1 (CONGLOMERATE)
	Group2(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-1 (CONGLOMERATE)
	Group1(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-2 (SANDSTONE)
	Group2(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-2 (SANDSTONE)
7th	Group1(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-3 (LIMESTONE)
	Group2(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-3 (LIMESTONE)
	Group1(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-4 (LATERITE)
	Group2(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-4 (LATERITE)
	Group1(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-5 (SHALE)

8th	Group2(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-5 (SHALE)
	Group1(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-6 (BRECCIA)
	Group2(3p)	Megascopic identification of Sedimentary rocks in hand specimens. SPECIMEN-6 (BRECCIA)
9th	Group1(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group1(3p)	Megascopic identification of Metamorphic rocks in hand specimens.(INTRODUCTION)
	Group2(3p)	Megascopic identification of Metamorphic rocks in hand specimens.(INTRODUCTION)
10th	Group1(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 1 (SLATE)
	Group2(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 1 (SLATE)
	Group1(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 2 (PHYLLITE)
	Group2(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 2 (PHYLLITE)
11th	Group1(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 3 (SCHIST)
	Group2(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 3 (SCHIST)
	Group1(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 4 (GNEISS)
	Group2(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 4 (GNEISS)
12th	Group1(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 5 (QUARTZITE)
	Group2(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 5 (QUARTZITE)

	Group1(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 6 (MARBLE)
	Group2(3p)	Megascopic identification of Metamorphic rocks in hand specimens. SPECIMEN - 6 (MARBLE)
13th	Group1(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group1(3p)	Interpretation of contour maps.
	Group2(3p)	Interpretation of contour maps.
14th	Group1(3p)	Interpretation of geological maps.
	Group2(3p)	Interpretation of geological maps.
	Group1(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
15th	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
		 Signature of Faculty