

GOVERNMENT POLYTECHNIC JAJPUR

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DEPARTMENT OF MINING ENGINEERING

LESSON PLAN


Discipline: MINING	Semester: 3RD	Name of the Teaching faculty: SOMESH JENA	
Subject:MI NE GEOLOGY – I LAB (Pr- 2)	No of Days/Week class allotted: 6	Semester from Date: 01/08/23 To Date: 30/11/23	No
Week	Class Day	Topics	
1st	Group1(3p)	Identification of Rock forming in hand specimens. SPECIMEN-1 (TALC)	
	Group2(3p)	Identification of Rock forming in hand specimens. SPECIMEN-1 (TALC)	
	Group1(3p)	Identification of Rock forming in hand specimens. SPECIMEN-2 (GYPSUM)	
	Group2(3p)	Identification of Rock forming in hand specimens. SPECIMEN-2 (GYPSUM)	
2nd	Group1(3p)	Identification of Rock forming in hand specimens. SPECIMEN-3 (CALCITE)	
	Group2(3p)	Identification of Rock forming in hand specimens. SPECIMEN-3 (CALCITE)	
	Group1(3p)	Identification of Rock forming in hand specimens. SPECIMEN-4 (FLUORITE)	
	Group2(3p)	Identification of Rock forming in hand specimens. SPECIMEN-4 (FLUORITE)	

3rd	Group1(3p)	Identification of Rock forming in hand specimens. SPECIMEN-5 (APATITE)
	Group2(3p)	Identification of Rock forming in hand specimens. SPECIMEN-5 (APATITE)
	Group1(3p)	Identification of Rock forming in hand specimens. SPECIMEN-6 (FELDSPAR)
	Group2(3p)	Identification of Rock forming in hand specimens. SPECIMEN-6 (FELDSPAR)
4th	Group1(3p)	Identification of Rock forming in hand specimens. SPECIMEN-7 (QUARTZ)
	Group2(3p)	Identification of Rock forming in hand specimens. SPECIMEN-7 (QUARTZ)
	Group1(3p)	Identification of Rock forming in hand specimens. SPECIMEN-8 (TOPAZ)
	Group2(3p)	Identification of Rock forming in hand specimens. SPECIMEN-8 (TOPAZ)
5th	Group1(3p)	Identification of Rock forming in hand specimens. SPECIMEN-9 (CORUNDUM)
	Group2(3p)	Identification of Rock forming in hand specimens. SPECIMEN-9 (CORUNDUM)
	Group1(3p)	Identification of Rock forming in hand specimens. SPECIMEN-10 (HORNBLENDE)
	Group2(3p)	Identification of Rock forming in hand specimens. SPECIMEN-10 (HORNBLENDE)

6th	Group1(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 1 (GEOTHITE)
	Group2(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 1 (GEOTHITE)
7th	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 2 (MAGNESITE)
	Group2(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 2 (MAGNESITE)
	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 3 (PYRITE)
	Group2(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 3 (PYRITE)
8th	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 4 (CHROMITE)
	Group2(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 4 (CHROMITE)
	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 5 (CHALCOPYRITE)
	Group2(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 5 (CHALCOPYRITE)

9th	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 6 (HEMATITE)
	Group2(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 6 (HEMATITE)
	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 7 (AZURITE)
	Group2(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 7 (AZURITE)
10th	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 8 (GALENA)
	Group2(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 8 (GALENA)
	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 9 (BARITE)
	Group2(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 9 (BARITE)
11th	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 10 (MAGNETITE)
	Group2(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 10 (MAGNETITE)
	Group1(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE

12th	Group1(3p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (ORTHOCLASE)
	Group2(3p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (ORTHOCLASE)
	Group1(3p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 2 (HORNBLLENDE)
	Group2(3p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 2 (HORNBLLENDE)
13th	Group1(3p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 3 (QUARTZ)
	Group2(3p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 3 (QUARTZ)
	Group1(3p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 4 (BIOTITE)
	Group2(3p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 4 (BIOTITE)
14th	Group1(3p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 5 (TALC)
	Group2(3p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 5 (TALC)
	Group1(3p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(3p)	RECORD EVALUATION/

	Group2(3p)	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