

**DEPARTMENT OF MINING ENGINEERING**

**LESSON PLAN**

Discipline:	Semester: 3RD	Name of the Teaching faculty: MALAYA RANJAN JENA	
Subject: MI NE Geology <small>ଜ୍ୟୋତ୍ସ୍ନା</small>	No of Days/Week	Semester from Date: 15/09/22 of weeks: 15	To Date: 22/12/22 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)	
	Group1(3p)	Identification of Rock forming in hand specimens. SPECIMEN-5 (APATITE)	
	Group2(3p)	Identification of Rock forming in hand specimens. SPECIMEN-5 (APATITE)	

3rd	Group1(3p)	Identification of Rock forming in hand specimens. <b>SPECIMEN-6 (FELDSPAR)</b>
	Group2(3p)	Identification of Rock forming in hand specimens. <b>SPECIMEN-6 (FELDSPAR)</b>
4th	Group1(3p)	Identification of Rock forming in hand specimens. <b>SPECIMEN-7 (QUARTZ)</b>
	Group2(3p)	Identification of Rock forming in hand specimens. <b>SPECIMEN-7 (QUARTZ)</b>
	Group1(3p)	Identification of Rock forming in hand specimens. <b>SPECIMEN-8 (TOPAZ)</b>
	Group2(3p)	Identification of Rock forming in hand specimens. <b>SPECIMEN-8 (TOPAZ)</b>
5th	Group1(3p)	Identification of Rock forming in hand specimens. <b>SPECIMEN-9 (CORUNDUM)</b>
	Group2(3p)	Identification of Rock forming in hand specimens. <b>SPECIMEN-9 (CORUNDUM)</b>
	Group1(3p)	Identification of Rock forming in hand specimens. <b>SPECIMEN-10 (HORNBLENDE)</b>
	Group2(3p)	Identification of Rock forming in hand specimens. <b>SPECIMEN-10 (HORNBLENDE)</b>
6th	Group1(3p)	<b>RECORD EVALUATION/ SESSIONAL/VIVA VOCE</b>
	Group2(3p)	<b>RECORD EVALUATION/ SESSIONAL/VIVA VOCE</b>
	Group1(3p)	Identification of ORE forming mineral in hand specimens. <b>SPECIMEN-11 (GEOHITE)</b>

	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 1 (GEOHITE)
	Group2(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 1 (GEOHITE)
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)
	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 4 (CHROMITE)
8th	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)
	Group1(3p)	Identification of ORE forming mineral in hand specimens. SPECIMEN- 6 (HEMATITE)
9th	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. <b>SPECIMEN- 7 (AZURITE)</b>
10th	Group1(3p)	Identification of ORE forming mineral in hand specimens. <b>SPECIMEN- 8 (GALENA)</b>
	Group2(3p)	Identification of ORE forming mineral in hand specimens. <b>SPECIMEN- 8 (GALENA)</b>
	Group1(3p)	Identification of ORE forming mineral in hand specimens. <b>SPECIMEN- 9 (BARITE)</b>
	Group2(3p)	Identification of ORE forming mineral in hand specimens. <b>SPECIMEN- 9 (BARITE)</b>
	Group1(3p)	Identification of ORE forming mineral in hand specimens. <b>SPECIMEN- 10 (MAGNETITE)</b>
11th	Group2(3p)	Identification of ORE forming mineral in hand specimens. <b>SPECIMEN- 10 (MAGNETITE)</b>
	Group1(3p)	<b>RECORD EVALUATION/ SESSIONAL/VIVA VOCE</b>
	Group2(3p)	<b>RECORD EVALUATION/ SESSIONAL/VIVA VOCE</b>
	Group1(3p)	Analysis of thin sections of minerals under the microscopes. <b>MINERAL THIN SECTION - 1 (ORTHOCLAUSE)</b>
12th	Group2(3p)	Analysis of thin sections of minerals under the microscopes. <b>MINERAL THIN SECTION - 1 (ORTHOCLAUSE)</b>
	Group1(3p)	Analysis of thin sections of minerals under the microscopes. <b>MINERAL THIN SECTION - 2 (HORNBLLENDE)</b>
	Group2(3p)	Analysis of thin sections of minerals under the microscopes. <b>MINERAL THIN SECTION - 2 (HORNBLLENDE)</b>
	Group1(3p)	Analysis of thin sections of minerals under the microscopes. <b>MINERAL THIN SECTION - 2 (HORNBLLENDE)</b>



13th	Group1(3p)	Analysis of thin sections of minerals under the microscopes. <b>MINERAL THIN SECTION - 3 (QUARTZ)</b>
	Group2(3p)	Analysis of thin sections of minerals under the microscopes. <b>MINERAL THIN SECTION - 3 (QUARTZ)</b>
	Group1(3p)	Analysis of thin sections of minerals under the microscopes. <b>MINERAL THIN SECTION - 4 (BIOTITE)</b>
	Group2(3p)	Analysis of thin sections of minerals under the microscopes. <b>MINERAL THIN SECTION - 4 (BIOTITE)</b>
14th	Group1(3p)	Analysis of thin sections of minerals under the microscopes. <b>MINERAL THIN SECTION - 5 (TALC)</b>
	Group2(3p)	Analysis of thin sections of minerals under the microscopes. <b>MINERAL THIN SECTION - 5 (TALC)</b>
	Group1(3p)	<b>RECORD EVALUATION/SESSIONAL/VIVA VOCE</b>
	Group2(3p)	<b>RECORD EVALUATION/SESSIONAL/VIVA VOCE</b>
15th	Group1(3p)	<b>REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE</b>
	Group2(3p)	<b>REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE</b>
	Group1(3p)	<b>REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE</b>
	Group2(3p)	<b>REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE</b>

Malaya Ranjan Inc.

Signature of Faculty