

GOVERNMENT POLYTECHNIC JAIPUR

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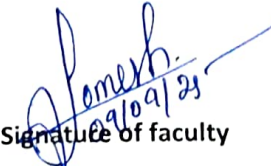
DEPARTMENT OF MINING ENGINEERING

LESSON PLAN

Discipline: MINING	Semester: 3RD	Name of the Teaching faculty: SOMESH JENA
Subject: MINE GEOLOGY – I LAB (Pr- 2)	No of Days/Week class allotted: 4	Semester from Date: 14/07/25 To Date: 15/11/25 No of weeks: 15
Week	Class Day	Topics
1st	Group1(2p)	Identification of Rock forming mineral in hand specimens. SPECIMEN-1 to 5 (TALC,GYPSUM,CALCITE,QUARTZ,ORTHOCLASE)
	Group2(2p)	Identification of Rock forming mineral in hand specimens. SPECIMEN-1 to 5 (TALC,GYPSUM,CALCITE,QUARTZ,ORTHOCLASE)
	Group1(2p)	Identification of Rock forming mineral in hand specimens. SPECIMEN-6 to 10 (MUSCOVITE,CHALCEDONY,GARNET,HORNBLENDE,TOURMALINE)
	Group2(2p)	Identification of Rock forming mineral in hand specimens. SPECIMEN-6 to 10 (MUSCOVITE,CHALCEDONY,GARNET,HORNBLENDE,TOURMALINE)
2nd	Group1(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group1(2p)	Identification of ore forming mineral in hand specimens. SPECIMEN-1 to 5 (GEOTHITE,MAGNESITE,PYRITE,CHROMITE,CHALCOPYRITE)
	Group2(2p)	Identification of ore forming mineral in hand specimens. SPECIMEN-1 to 5 (GEOTHITE,MAGNESITE,PYRITE,CHROMITE,CHALCOPYRITE)
3rd	Group1(2p)	Identification of ore forming mineral in hand specimens. SPECIMEN-6 to 10 (HEMATITE,AZURITE,GALENA,BARITE,MAGNETITE)
	Group2(2p)	Identification of ore forming mineral in hand specimens. SPECIMEN-6 to 10 (HEMATITE,AZURITE,GALENA,BARITE,MAGNETITE)
	Group1(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group1(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (HORNBLENDE)

4th	Group2(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (HORNBLLENDE)
	Group1(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 ((ORTHOCLASE)
	Group2(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (ORTHOCLASE)
5th	Group1(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (BIOTITE)
	Group2(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (BIOTITE)
	Group1(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (KYANITE)
	Group2(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (KYANITE)
6th	Group1(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (CHLORITE)
	Group2(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (CHLORITE)
	Group1(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
7th	Group1(2p)	Analysis of thin sections of rocks under the microscopes. MINERAL THIN SECTION - 1 (BASALT,DOLERITE)
	Group2(2p)	Analysis of thin sections of rocks under the microscopes. MINERAL THIN SECTION - 1 (BASALT,DOLERITE)
	Group1(2p)	Analysis of thin sections of rocks under the microscopes. MINERAL THIN SECTION - 1 (SANDSTONE, LATERITE)
	Group2(2p)	Analysis of thin sections of rocks under the microscopes. MINERAL THIN SECTION - 1 (SANDSTONE, LATERITE)
8th	Group1(2p)	Analysis of thin sections of rocks under the microscopes. MINERAL THIN SECTION - 1 (QUARTZITE, MICASCHIST)
	Group2(2p)	Analysis of thin sections of rocks under the microscopes. MINERAL THIN SECTION - 1 (QUARTZITE, MICASCHIST)
	Group1(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
9th	Group1(2p)	Study and Sketching of models showing different types of faults , folds ,and their relation to topography
	Group2(2p)	Study and Sketching of models showing different types of faults , folds ,and their relation to topography
	Group1(2p)	Study and Sketching of models showing different types of faults , folds ,and their relation to topography

10th	Group2(2p)	Study and Sketching of models showing different types of faults , folds ,and their relation to topography
	Group1(2p)	Study and Sketching of models showing different types of faults , folds ,and their relation to topography
	Group2(2p)	Study and Sketching of models showing different types of faults , folds ,and their relation to topography
	Group1(2p)	Study and Sketching of models showing different types of faults , folds ,and their relation to topography
	Group2(2p)	Study and Sketching of models showing different types of faults , folds ,and their relation to topography
11th	Group1(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group1(2p)	Strike and Dip measurement using brunton compass
	Group2(2p)	Strike and Dip measurement using brunton compass
12th	Group1(2p)	Strike and Dip measurement using brunton compass
	Group2(2p)	Strike and Dip measurement using brunton compass
	Group1(2p)	Strike and Dip measurement using brunton compass
	Group2(2p)	Strike and Dip measurement using brunton compass
13th	Group1(2p)	Dip and Strike related problem
	Group2(2p)	Dip and Strike related problem
	Group1(2p)	Dip and Strike related problem
	Group2(2p)	Dip and Strike related problem
14th	Group1(2p)	Dip and Strike related problem
	Group2(2p)	Dip and Strike related problem
	Group1(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
	Group2(2p)	RECORD EVALUATION/ SESSIONAL/VIVA VOCE
15th	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE


 Signature of faculty