GOVERNMENT POLYTECHNIC JAJPUR

A/ P: Ragad+A1:C19i, Block: Korei, Dist.: Jajpur, Odisha- 755019

Website: https://www.gpjajpur.org E-mail: principalgpjajpur@yahoo.co.in Contact: 9437155107

		DEPARTMENT OF MINING ENGINEERING
		LESSON PLAN
Discipline: MINING	Semester: 3RD	Name of the Teaching faculty: SOMESH JENA
Subject: MINE GEOLOGY –	No of Days/Week class alloted: 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)

1		
4th	Group2(2p	1 (HORNBLENDE)
	Group1(2p	Analysis - Cult
	Group2(2p)	Applysis of this particular
5th	Group1(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION - 1 (BIOTITE)
	Group2(2p)	1 (RIOTITE)
	Group1(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION -
	Group2(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION -
6th	Group1(2p)	Analysis of thin sections of minerals under the microscopes. MINERAL THIN SECTION -
	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
	Group2(2p)	(BASALT,DOLERITE) 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
	Group2(2p)	(QUARTZITE, MICASCHIST) 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
		126-00.26.11

7		
	Group2(2s)	Study and Sketching of models showing different types of faults, folds, and
	CTOUDZ ZD	their relation to topography
1015	Group1(2p)	Study and Sketching of models showing different types of faults , folds ,and
		the investment of the top of the
	Group2(2p)	Study and Sketching of models showing different types of faults , folds ,and
		11 12 Indian to topocol 3000
	Group1(2p)	Study and Sketching of models showing different types of faults , folds ,and
		about an interpretation to thouse dutily
	LIGHTCH TO THE	Study and Sketching of models showing different types of faults , folds ,and
	Group2(2p)	their relation to topography
And the second	B	RECORD EVALUATION/
	Group1(2p)	SESSIONAL/VIVA VOCE
		RECORD EVALUATION/
11th	Group2(2p)	SESSIONAL/VIVA VOCES
	C-1011/20	Strike and Dip measurement using brunton compass
	Group1(2p)	Strike and Din measurement using brunton compass
	Group2(2p)	Strike and Dip measurement using brunton compass
	Group1(2p)	Strike and Din measurement using brunton compass
12th	Group2(2p)	Strike and Dip measurement using brunton compass
	Group1(2p)	Strike and Dip measurement using brunton compass
	Group2(2p)	Dip and Strike related problem
13th	Group1(2p) Group2(2p)	Dip and Strike related problem
		Dip and Strike related problem
	Group1(2p)	Dip and Strike related problem
	Group2(2p) Group1(2p)	Dip and Strike related problem
14th	Group2(2p)	Dip and Strike related problem
	Group2(2p)	RECORD EVALUATION/
	Group1(2p)	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