

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2022 - 23

**BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION :- MNA**

**NAME OF THE FACULTY : (1) ER. DILLIP KU. DEHURY (H.O.D.,
MINING ENGG.), (2) ER. PRABIN KUMAR SAHOO (LECT. IN MINING
ENGG.)**

SEMESTER FROM : 13.02.2023 to 23.05.2023

THEORY SUBJECT: MINE MACHINERY - II (TH-1)

CLASS ALLOTTED /WEEK : 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Underground Face Machineries	15		
	Electric coal drill	2	<i>February</i>	<i>Dt. 14.2.2023 Dt. 15.2.2023</i>
	Describe constructional features, operation, principle & use of electric coal drill	3		<i>Dt. 17.2.2023 Dt. 20.2.2023</i>
	State types of drill rods & drill bits used in electric coal drill	3		<i>Dt. 21.2.2023 Dt. 22.2.2023</i>
	Describe basic constructional features of gathering arm loader, scraper loader, side discharge loader & load & haul loader	3		<i>Dt. 24.2.2023 Dt. 27.2.2023 Dt. 28.2.2023</i>
	Describe basic constructional features & operation principle of jackhammer drill & air leg rock drill	2	<i>MARCH</i>	<i>Dt. 1.3.2023 Dt. 3.3.2023</i>
	Describe basic constructional features & operation principle of road header & Shearer loader	2		<i>Dt. 6.3.2023 Dt. 10.3.2023</i>
2	Opencast Machineries	15		<i>Dt. 13.3.2023</i>
	Describe basic constructional features of surface miner, dragline, shovel & backhoe, bucket wheel excavator	8		<i>Dt. 14.3.2023 Dt. 15.3.2023 Dt. 17.3.2023 Dt. 20.3.2023</i>
	Describe basic constructional features of dumper, dozer, scraper & road grader	7		<i>Dt. 21.3.2023 Dt. 22.3.2023 Dt. 24.3.2023 Dt. 27.3.2023</i>

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
3	Mine Pumps	20		
	Classify mine pumps	1		Dt. 28.3.2023.
	Describe constructional features, working & use of ram pumps	2		Dt. 29.3.2023. Dt. 31.3.2023
	Centrifugal & turbine pumps	2	APRIL	Dt. 3.4.2023 Dt. 4.4.2023
	Describe constructional features of centrifugal & turbine pumps.	2		Dt. 5.4.2023, 10.4.2023
	State principle of centrifugal & turbine pumps & its applicability.	2		Dt. 11.4.2023 12.4.2023
	Explain balancing the axial thrust of turbine pump	2		Dt. 17.4.2023 18.4.2023
	Draw characteristic curves for turbine pumps	2		Dt. 19.4.2023, 21.4.2023
	Solve numerical problems on centrifugal & turbine pumps	2		Dt. 24.4.2023, 26.4.2023
	Describe constructional features and working principle & use of roto pump	2		Dt. 28.4.2023. 1.5.2023
	Describe constructional features & working principle of sinking pump	2	MAY	2.5.2023 Dt. 3.5.2023
State procedure of suspension in shaft	1		Dt. 8.5.2023	
4	Bore Hole Pump	5		
	Describe constructional features & working of bore hole pump	3		Dt. 9.5.2023, 10.5.2023
	State installation of bore hole pump	2		Dt. 12.5.2023, 15.5.2023

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
5	Pipes and Valves	5		
	State types of pipe & valves used in Mines	1		Dt- 16 . 5 . 2023
	Describe constructional features of various type of valves	1		Dt- 17 . 5 . 2023
	State & describe different types of pipe joints.	1		Dt- 20 . 5 . 2023
	Describe support of laying main pipe in shaft.	1		Dt- 22 . 5 . 2023
	Discuss the Pipe line layout	1		Dt- 23 . 5 . 2023.

Benny

SIGNATURE OF THE CONCERNED FACULTY

Benny

SIGNATURE OF THE H.O.D.

Benny

P. Chandra

PRINCIPAL
P.C.I.E.T., CHHENDIPADA

PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION : MNA

NAME OF THE FACULTY : (1) ER. SRIKANTA SAMAL,
(2) ER. SOUBHAGYA RANJAN BISWAL
(LECT. IN MINING ENGG.)

SEMESTER FROM : 13.02.2023 to 23.05.2023

THEORY SUBJECT: MINE GEOLOGY - II (TH-2)

CLASS ALLOTTED /WEEK : 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Stratigraphy	12		
	Principles of stratigraphy	4	FEBRUARY	Dt. 14.2.2023, 15.2.2023
	Geological time Scale	4		Dt. 20.2.2023, 21.2.2023
	Stratigraphic sequence, lithology, distribution & economic mineral deposits of Iron Ore series, Cuddpah Supergroup, Vindhyan super group & gondwana super group	4		Dt. 25.2.2023, 27.2.2023 28.2.2023
Fossil Fuels	12			
2	Coal	6	MARCH	Dt. 1.3.2023, 4.3.2023
	Describe the different ranks of coal. Describe different grades of coal like A,B,C,D. Describe the various theories accounting for the origin of coal. Describe various important lower gondwana Coalfields of India.			Dt - 6.3.2023, 11.3.2023
	Petroleum			
	Describe the organic & inorganic theories accounting for the origin of petroleum. Define oil pool & oil trap. □ Describe process of accumulation of oil. Describe favorable conditions for accumulation of oil. □ Describe different important oil fields in India.	6		Dt - 13.3.2023, 14.3.2023 Dt - 15.3.2023, 18.3.2023 Dt - 20.3.2023.

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
3	Prospecting & Exploration	12		
	Define prospecting	1		21.3.2023
	Differentiate between prospecting & exploration	1		22.3.2023
	Use of multi shot camera for borehole direction test	2		25.3.2023 27.3.2023
	Enumerate & describe various criteria for geological exploration	2		28.3.2023 29.3.2023
	Various methods of Geophysical prospecting	2	APRIL	Dt. 3.4.2023 4.4.2023
	Geochemical prospecting	2		Dt. 5.4.2023 8.4.2023
	Differentiate between biogeochemical & geo botanical prospecting	2		Dt. 10.4.2023 11.4.2023
4	Economic Geology	12		.
	Economic Geology	1		Dt. 12.4.2023
	Define tenor & grade	1		Dt. 15.4.2023
	Mineralogy, mode of occurrence, distribution & use of iron ore deposits in India	2		Dt. 17.4.2023 18.4.2023
	Mineralogy, mode of occurrence, & description of Chromites deposits in India & its uses	2		Dt. 22.4.2023 24.4.2023
	Mineralogy, mode of occurrence & distribution of copper deposits in India & uses of this metal	2		Dt. 25.4.2023 26.4.2023 Dt 29.4.2023
	Mineralogy, mode of occurrence, distribution of lead & zinc deposits in India & the uses of these metals	2	MAY	Dt. 1.5.2023
UNFC (United Nation Framework of Classification) code of classification of reserves	2		Dt. 2.5.2023	

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
5	Sampling	12		Dt. 3.5.2023
	Sampling, outline the method of preparation of samples for assay	4		Dt. 6.5.2023 8.5.2023 Dt. 9.5.2023 10.5.2023
	Sampling	4		Dt. 15.5.2023 16.5.2023
	Different methods of sampling as outlined by Bureau of Indian Standards. (BIS)	4		Dt. 17.5.2023 20.5.2023 Dt. 22.5.2023 23.5.2023.

C. G. *S. S. S.*

SIGNATURE OF THE CONCERNED FACULTY

B. S.

SIGNATURE OF THE H.O.D.

P. S. S.

PRINCIPAL
P.C.I.E.T., CHHENDIPADA

PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION : MNA

NAME OF THE FACULTY : (1) ER. SUNIL KUMAR SAHU,
(2) ER. UDAYA BISWANATH PRADHAN,
(LECT. IN MINING ENGG.)

SEMESTER FROM : 13.02.2023 to 23.05.2023

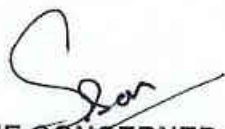
THEORY SUBJECT: MINE LEGISLATION & GENERAL SAFETY - II (TH-3)

CLASS ALLOTTED /WEEK : 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Metalliferous Mines Regulations 1961	15		
	Various provisions of Metalliferous Mines Regulations 1961.	15	FEBRUARY	Dt. 14.2.2023 Dt. 15.2.2023 Dt. 16.2.2023 Dt. 20.2.2023 Dt. 21.2.2023 Dt. 22.2.2023 Dt. 23.2.2023 Dt. 27.2.2023
2	Mines V.T. Rules 1966	4		28.2.2023
	Various provisions of Mines V.T. Rules 1966	4	MARCH	Dt. 1.3.2023 , 2.3.2023 Dt. 4.3.2023 , 9.3.2023
3	Mines Creche Rules 1966	4		
	Various provisions of Mines Creche Rules 1966.	4		Dt. 13.3.2023 14.3.2023 Dt. 15.3.2023 16.3.2023

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
4	Maternity Benefit Act	4		
	Various provisions of Maternity Benefit Act.	4		Dt. 20.3.2023 , 21.3.2023 Dt. 22.3.2023 , 23.3.2023
5	Mines Accident & Safety	15		
	Discuss their classification, causes & prevention	1		Dt. 27.3.2023
	Develop concept about accident cost, accident report, procedure for conducting an enquiry to ascertain the causes of accidents	2		Dt. 28.3.2023 Dt. 29.3.2023
	Discuss procedure for investigation & reporting Mine accident, accident proneness, fatality rate, frequency rate & severity rate	2	APRIL	Dt. 3.4.2023 , 4.4.2023
	Explain role of supervision in accident prevention, accident due to opencast workings, statistical analysis of accidents, accident statistics, its head & method of data processing	2		Dt. 5.4.2023 Dt. 6.4.2023
	Develop basis concepts of safety, safety & productivity, safety consciousness & safety campaign, safety organization, safety audit	2		Dt. 10.4.2023 Dt. 11.4.2023
	Describe rules of safety committee	2		Dt. 12.4.2023 13.4.2023
	Explain the role of workmen inspectors	2		Dt. 17.4.2023 18.4.2023
	Discuss terms like industrial fatigue, preventive maintenance, productive equipments & duties of Safety Officer	2		Dt. 19.4.2023 20.4.2023

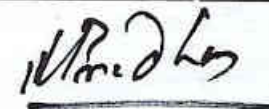
Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
6	Forest Conservation Act (FCA) 1980.	3		Dt. 24.4.2023
	Various provisions of Forest Conservation Act (FCA) 1980	3		Dt. 25.4.2023 Dt. 26.4.2023 Dt. 27.4.2023
7	Environmental Protection Act 1986	5		
	various provisions of Environmental Protection Act 1986.	5	MAY.	Dt. 1.5.2023, 2.5.2023 Dt. 3.5.2023 4.5.2023.
8	MMRD Act & MCR Rules	5		
	Various provisions of Mineral conservation & exploitation	3		Dt. 8.5.2023 Dt. 9.5.2023 Dt. 10.5.2023
	National Mineral policy	2		Dt. 11.5.2023 Dt. 15.5.2023
9	Classified Circulars (DGMS)	5		
	As amended up-to-date	5		Dt. 16.5.2023 Dt. 17.5.2023, 18.5.2023 Dt. 22.5.2023 23.5.2023



SIGNATURE OF THE CONCERNED FACULTY



SIGNATURE OF THE H.O.D.



PRINCIPAL
PRINCIPAL
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2022 -23

**BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION : MNA**

**NAME OF THE FACULTY : (1) ER. LIPUN DEHURY,
(2) ER. SURAJ SAHOO (LECT. IN MINING ENGG.)**

SEMESTER FROM : 13.02.2023 to 23.05.2023

THEORY SUBJECT: MINERAL DRESSING (TH-4A)

CLASS ALLOTTED /WEEK : 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Introduction	2		
	Objective & scope of application of mineral dressing in surface & u/g mines	2	FEBRUARY	Dt. 14.2.2023, 15.2.2023
2	Unit Operations	6		
	Principle of Blake & dodge jaw crushers, gyratory & cone crushers, roll crusher	6		Dt. 16.2.2023, 20.2.2023 Dt. 21.2.2023, 22.2.2023 23.2.2023
3	Grinding	6		Dt. 27.2.2023, 28.2.2023
	Principle of ball mill operation, open circuit grinding, close circuit grinding, dry & wet grinding	6	MARCH	Dt. 1.3.2023, Dt. 2.3.2023 Dt. 6.3.2023, Dt. 9.3.2023
4	Explain the Procedure for Size Analysis & Use of Standard Screen as also Screening Techniques Employed	6		Dt. 13.3.2023, 14.3.2023 Dt. 15.3.2023, 16.3.2023
5	Industrial Screening	6		
	Explain the principle of industrial screening, type of screening (without calculation)	3		Dt. 20.3.2023, 21.3.2023 Dt. 22.3.2023
	Explain the operation of classifier & their application	3		Dt. 23.3.2023, 27.3.2023 Dt. 28.3.2023

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
6	Gravity Concentration	6		Dt. 29.3.2023
	Explain the general principles of wilfly table & its operation	3	APRIL	Dt- 3.4.2023 , 4.4.2023 5.4.2023
	Develop elementary idea regarding the operation jigs	3		Dt- 6.4.2023 10.4.2023 Dt. 11.4.2023
7	Heavy Media Separation	8		Dt- 12.4.2023
	Explain the fundamental principle of heavy media separation – Chance process	8		Dt- 13.4.2023 , 17.4.2023 Dt- 18.4.2023 , 19.4.2023 Dt- 20.4.2023 , 24.4.2023 Dt- 25.4.2023 , 26.4.2023
8	Flotation	10		
	Comprehend elementary principle of froth floatation, practical utility of frother, collection, modifiers & depressants	5	MAY	Dt- 1.5.2023 , 2.5.2023 Dt- 3.5.2023 4.5.2023
	Describe & illustrate floatation cell	5		Dt- 8.5.2023 9.5.2023 Dt- 10.5.2023
9	Magnetic & Electrostatic Separators	10		
	Explain the principle of operation of magnetic & electrostatic separators	5		Dt- 11.5.2023 15.5.2023 Dt- 16.5.2023
	Describe the application of separators in mineral dressing	5		Dt- 17.5.2023 18.5.2023 Dt- 22.5.2023 23.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
Puma College of Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION :- MNB

NAME OF THE FACULTY : (1) ER. DILLIP KU. DEHURY (H.O.D.,
MINING ENGG.), (2) ER. PRABIN KUMAR SAHOO (LECT. IN MINING
ENGG.)

SEMESTER FROM : 13.02.2023 to 23.05.2023

THEORY SUBJECT: MINE MACHINERY - II (TH-1)

CLASS ALLOTTED /WEEK : 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Underground Face Machineries	15		
	Electric coal drill	2	FEBRUARY	Dt - 14.2.2023 , 15.2.2023
	Describe constructional features, operation, principle & use of electric coal drill	3		Dt - 17.2.2023 , 20.2.2023
	State types of drill rods & drill bits used in electric coal drill	3		Dt - 21.2.2023 , 22.2.2023
	Describe basic constructional features of gathering arm loader, scraper loader, side discharge loader & load & haul loader	3		Dt - 24.2.2023 , 27.2.2023 Dt - 28.2.2023
	Describe basic constructional features & operation principle of jackhammer drill & air leg rock drill	2	MARCH	Dt - 1.3.2023 , 3.3.2023
	Describe basic constructional features & operation principle of road header & Shearer loader	2		Dt - 6.3.2023 , 10.3.2023
2	Opencast Machineries	15		Dt - 13.3.2023
	Describe basic constructional features of surface miner, dragline, shovel & backhoe, bucket wheel excavator	8		Dt - 14.3.2023 , 15.3.2023 Dt - 17.3.2023 , 20.3.2023
	Describe basic constructional features of dumper, dozer, scraper & road grader	7		Dt - 21.3.2023 , 22.3.2023 Dt - 24.3.2023 , 27.3.2023

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Mine Pumps	20		
	Classify mine pumps	1		Dt. 28.3.2023
	Describe constructional features, working & use of ram pumps	2		Dt. 29.3.2023 , 31.3.2023
	Centrifugal & turbine pumps	2	APRIL	Dt. 3.4.2023 4.4.2023
	Describe constructional features of centrifugal & turbine pumps.	2		Dt. 5.4.2023 10.4.2023
	State principle of centrifugal & turbine pumps & its applicability.	2		Dt. 11.4.2023 12.4.2023
3	Explain balancing the axial thrust of turbine pump	2		Dt - 17.4.2023 18.4.2023
	Draw characteristic curves for turbine pumps	2		Dt - 19.4.2023 21.4.2023
	Solve numerical problems on centrifugal & turbine pumps	2		Dt - 24.4.2023 26.4.2023
	Describe constructional features and working principle & use of roto pump	2		Dt - 28.4.2023 1.5.2023
	Describe constructional features & working principle of sinking pump	2	MAY	Dt. 2.5.2023 3.5.2023
	State procedure of suspension in shaft	1		Dt - 8.5.2023
	Bore Hole Pump	5		
4	Describe constructional features & working of bore hole pump	3		Dt. 9.5.2023 , 10.5.2023
	State installation of bore hole pump	2		Dt - 12.5.2023 , 15.5.2023

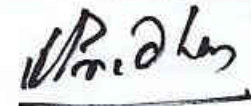
Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
5	Pipes and Valves	5		
	State types of pipe & valves used in Mines	1		Dt. 16. 5. 2023
	Describe constructional features of various type of valves	1		Dt- 17. 5. 2023
	State & describe different types of pipe joints.	1		Dt. 20. 5. 2023
	Describe support of laying main pipe in shaft.	1		Dt- 22. 5. 2023
	Discuss the Pipe line layout	1		Dt- 23. 5. 2023



SIGNATURE OF THE CONCERNED FACULTY



SIGNATURE OF THE H.O.D.

PRINCIPAL
P.C.I.E.T., CHHENDIPADA

PRINCIPAL
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2022 - 23

**BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION : MNB**

**NAME OF THE FACULTY : (1) ER. SRIKANTA SAMAL,
(2) ER. SOUBHAGYA RANJAN BISWAL
(LECT. IN MINING ENGG.)**

SEMESTER FROM : 13.02.2023 to 23.05.2023

THEORY SUBJECT: MINE GEOLOGY - II (TH-2)

CLASS ALLOTTED /WEEK : 04 PERIODS

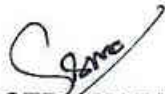
Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Stratigraphy	12		
	Principles of stratigraphy	4	FEBRUARY	Dt. 14.2.2023, 15.2.2023 16.2.2023
	Geological time Scale	4		Dt. 20.2.2023, 21.2.2023 22.2.2023
	Stratigraphic sequence, lithology, distribution & economic mineral deposits of Iron Ore series, Cuddpah Supergroup, Vindhyan super group & gondwana super group	4		Dt. 23.2.2023, 27.2.2023 Dt. 28.2.2023
2	Fossil Fuels	12		
	Coal Describe the different ranks of coal. Describe different grades of coal like A,B,C,D. Describe the various theories accounting for the origin of coal. Describe various important lower gondwana Coalfields of India.	6	MARCH	Dt-1.3.2023, 2.3.2023 Dt. 6.3.2023, 9.3.2023 Dt. 13.3.2023, 14.3.2023
	Petroleum Describe the organic & inorganic theories accounting for the origin of petroleum. Define oil pool & oil trap. □ Describe process of accumulation of oil. Describe favorable conditions for accumulation of oil. □ Describe different important oil fields in India.	6		Dt. 20.3.2023, 21.3.2023 Dt. 22.3.2023, 23.3.2023 Dt. 27.3.2023, 28.3.2023

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
3	Prospecting & Exploration	12		
	Define prospecting	1		Dt. 29.3.2023.
	Differentiate between prospecting & exploration	1	APRIL	Dt. 3.4.2023
	Use of multi shot camera for borehole direction test	2		Dt. 4.4.2023 , 5.4.2023
	Enumerate & describe various criteria for geological exploration	2		Dt. 6.4.2023 ' 10.4.2023
	Various methods of Geophysical prospecting	2		Dt. 11.4.2023 , 12.4.2023
	Geochemical prospecting	2		Dt. 13.4.2023 ' 17.4.2023
	Differentiate between biogeochemical & geo botanical prospecting	2		Dt. 18.4.2023 , 19.4.2023
4	Economic Geology	12		
	Economic Geology	1		Dt. 20.4.2023
	Define tenor & grade	1		Dt. 24.4.2023
	Mineralogy, mode of occurrence, distribution & use of iron ore deposits in India	2		Dt. 25.4.2023 , 26.4.2023
	Mineralogy, mode of occurrence, & description of Chromites deposits in India & its uses	2		Dt. 27.4.2023
	Mineralogy, mode of occurrence & distribution of copper deposits in India & uses of this metal	2	MAY	Dt. 1.5.2023 , 2.5.2023
	Mineralogy, mode of occurrence, distribution of lead & zinc deposits in India & the uses of these metals	2		Dt. 3.5.2023 , 4.5.2023
UNFC (United Nation Framework of Classification) code of classification of reserves	2		Dt. 8.5.2023 , 9.5.2023	

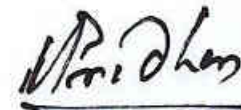
Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
5	Sampling	12		DA-10.5.2023
	Sampling, outline the method of preparation of samples for assay	4		DA-11.5.2023 15.5.2023 16.5.2023
	Sampling	4		DA-17.5.2023
	Different methods of sampling as outlined by Bureau of Indian Standards. (BIS)	4		DA.18.5.2023 22.5.2023 23.5.2023



SIGNATURE OF THE CONCERNED FACULTY




SIGNATURE OF THE H.O.D.



PRINCIPAL
P.C.I.E.T., CHHENDIPADA

PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION : MNB

NAME OF THE FACULTY : (1) ER. SUNIL KUMAR SAHU,
(2) ER. UDAYA BISWANATH PRADHAN,
(LECT. IN MINING ENGG.)

SEMESTER FROM : 13.02.2023 to 23.05.2023

THEORY SUBJECT: MINE LEGISLATION & GENERAL SAFETY - II (TH-3)

CLASS ALLOTTED /WEEK : 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Metalliferous Mines Regulations 1961	15	FEBRUARY	Dt. 14.2.2023
	Various provisions of Metalliferous Mines Regulations 1961.	15		Dt. 15.2.2023 16.2.2023 Dt. 20.2.2023 21.2.2023 Dt. 22.2.2023 23.2.2023 Dt. 27.2.2023 28.2.2023
2	Mines V.T. Rules 1966	4	MARCH	Dt. 1.3.2023
	Various provisions of Mines V.T. Rules 1966	4		Dt. 4.3.2023 , 6.3.2023 Dt. 11.3.2023
3	Mines Creche Rules 1966	4		
	Various provisions of Mines Creche Rules 1966.	4		Dt. 13.3.2023 14.3.2023 Dt. 15.3.2023 18.3.2023

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
4	Maternity Benefit Act	4		
	Various provisions of Maternity Benefit Act.	4		Dt. 20.3.2023 21.3.2023 Dt. 22.3.2023 25.3.2023.
5	Mines Accident & Safety	15		
	Discuss their classification, causes & prevention	1		Dt. 27.3.2023
	Develop concept about accident cost, accident report, procedure for conducting an enquiry to ascertain the causes of accidents	2		28.3.2023, 29.3.2023
	Discuss procedure for investigation & reporting Mine accident, accident proneness, fatality rate, frequency rate & severity rate	2	APRIL	Dt. 3.4.2023, 4.4.2023
	Explain role of supervision in accident prevention, accident due to opencast workings, statistical analysis of accidents, accident statistics, its head & method of data processing	2		Dt. 5.4.2023, 8.4.2023
	Develop basis concepts of safety, safety & productivity, safety consciousness & safety campaign, safety organization, safety audit	2		Dt. 10.4.2023, 11.4.2023
	Describe rules of safety committee	2		Dt. 12.4.2023, 15.4.2023
	Explain the role of workmen inspectors	2		Dt. 17.4.2023, 18.4.2023
	Discuss terms like industrial fatigue, preventive maintenance, productive equipments & duties of Safety Officer	2		Dt. 19.4.2023, 22.4.2023

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
6	Forest Conservation Act (FCA) 1980.	3		
	Various provisions of Forest Conservation Act (FCA) 1980	3		Dt. 24.4.2023 25.4.2023 Dt. 26.4.2023
7	Environmental Protection Act 1986	5		Dt. 29.4.2023
	various provisions of Environmental Protection Act 1986.	5	MAY	Dt. 1.5.2023 2.5.2023 Dt. 3.5.2023 6.5.2023.
8	MMRD Act & MCR Rules	5		
	Various provisions of Mineral conservation & exploitation	3		Dt. 8.5.2023 , 9.5.2023 Dt. 10.5.2023
	National Mineral policy	2		Dt. 15.5.2023 16.5.2023
9	Classified Circulars (DGMS)	5		
	As amended up-to-date	5		Dt. 17.5.2023 20.5.2023 Dt. 22.5.2023 23.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
P.C.I.E.T. CHHENDIPADA
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION : MNB

NAME OF THE FACULTY : (1) ER. LIPUN DEHURY,
(2) ER. SURAJ SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM : 13.02.2023 to 23.05.2023

THEORY SUBJECT: MINERAL DRESSING (TH-4A)

CLASS ALLOTTED /WEEK : 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Introduction	2		
	Objective & scope of application of mineral dressing in surface & u/g mines	2	FEBRUARY	Dt. 14.2.2023 , 15.2.2023
2	Unit Operations	6		
	Principle of Blake & dodge jaw crushers, gyratory & cone crushers, roll crusher	6		Dt. 16.2.2023 , 20.2.2023 Dt. 21.2.2023 , 22.2.2023 Dt. 23.2.2023
3	Grinding	6		Dt. 27.2.2023 , 28.2.2023
	Principle of ball mill operation, open circuit grinding, close circuit grinding, dry & wet grinding	6	MARCH	Dt. 1.3.2023 2.3.2023 Dt. 6.3.2023 9.3.2023
4	Explain the Procedure for Size Analysis & Use of Standard Screen as also Screening Techniques Employed	6		Dt. 13.3.2023 14.3.2023 Dt. 15.3.2023 16.3.2023
5	Industrial Screening	6		
	Explain the principle of industrial screening, type of screening (without calculation)	3		Dt. 20.3.2023 21.3.2023 Dt. 22.3.2023
	Explain the operation of classifier & their application	3		Dt. 23.3.2023 27.3.2023 Dt. 28.3.2023.

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
6	Gravity Concentration	6		Dt. 29.3.2023
	Explain the general principles of Wilfley table & its operation	3	APRIL	Dt. 3.4.2023 4.4.2023 Dt - 5.4.2023
	Develop elementary idea regarding the operation jigs	3		Dt - 6.4.2023 , 10.4.2023 Dt - 11.4.2023
7	Heavy Media Separation	8		Dt. 12.4.2023.
	Explain the fundamental principle of heavy media separation – Chance process	8		Dt - 13.4.2023 17.4.2023 Dt - 18.4.2023 19.4.2023 Dt - 20.4.2023 24.4.2023 Dt - 25.4.2023 28.4.2023
8	Flotation	10		
	Comprehend elementary principle of froth flotation, practical utility of frother, collection, modifiers & depressants	5	MAY	Dt. 1.5.2023 2.5.2023 Dt - 3.5.2023 4.5.2023
	Describe & illustrate flotation cell	5		Dt. 8.5.2023 , 9.5.2023 Dt - 10.5.2023
9	Magnetic & Electrostatic Separators	10		
	Explain the principle of operation of magnetic & electrostatic separators	5		Dt - 11.5.2023 , 15.5.2023 Dt - 16.5.2023
	Describe the application of separators in mineral dressing	5		Dt - 17.5.2023 , 18.5.2023 Dt - 22.5.2023 , 23.5.2023.

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
PRINCIPAL
Puma Group of Institutions
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA1

NAME OF THE FACULTY : (1) ER. SRIKANTA SAMAL, (2) ER. DURGA PRASAD SAHU (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: MINE GEOLOGY - II LAB (PR-1)

CLASS ALLOTTED /WEEK : 06 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Megascope identification of Igneous rocks in hand specimens	FEBRUARY		Dt - 20 . 2 . 2023 Dt - 25 . 2 . 2023 Dt - 27 . 2 . 2023
2	Megascope identification of Sedimentary rocks in hand specimens	MARCH		Dt . 4 . 3 . 2023 , 6 . 3 . 2023 Dt - 11 . 3 . 2023 , 13 . 3 . 2023 Dt - 18 . 3 . 2023 , 20 . 3 . 2023
3	Megascope identification of Metamorphic rocks in hand specimens	APRIL		Dt - 25 . 3 . 2023 , 27 . 3 . 2023 Dt . 3 . 4 . 2023 , 8 . 4 . 2023 Dt - 10 . 4 . 2023 , 15 . 4 . 2023
4	Interpretation of contour maps and preparation of the profile section for it			Dt . 17 . 4 . 2023 , 22 . 4 . 2023 Dt . 24 . 4 . 2023 . 29 . 4 . 2023
5	Interpretation of geological maps and preparation of the profile Section for it	MAY		Dt . 1 . 5 . 2023 , 6 . 5 . 2023 Dt . 8 . 5 . 2023
6	Describe the specific gravity of small specimen by Joley's spring balance			Dt - 15 . 5 . 2023 20 . 5 . 2023 Dt - 23 . 5 . 2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA
PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 -23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA1

NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY (H.O.D., MINING ENGG.), (2) ER. PRABIN KUMAR SAHOO, (3) ER. SOUBHAGYA RANJAN BISWAL (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

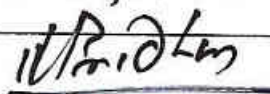
PRACTICAL SUBJECT: MINE MACHINERY – II LAB (PR-2)

CLASS ALLOTTED /WEEK : 03 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of Centrifugal Pumps	FEBRUARY		Dt-15.2.2023, 17.2.2023
2	Study of Turbine Pumps			Dt-22.2.2023, 24.2.2023
3	Study of Roto Pump	MARCH		Dt. 1.3.2023, 3.3.2023
4	Study of Sinking Pump			Dt. 10.3.2023, 15.3.2023
5	Study of electric coal drills & its accessories			Dt-17.3.2023, 22.3.2023 24.3.2023
6	Study of Jack Hammer Drill with air leg			Dt-29.3.2023, 31.3.2023
7	Study of scrapper & shaker conveyor	APRIL		Dt. 5.4.2023, 12.4.2023 19.4.2023
8	Study of scrapper loader			Dt-21.4.2023, 26.4.2023 Dt - 28.4.2023
9	Model Development of Gathering arm loader	MAY		Dt-3.5.2023, 10.5.2023
10	Study of Electric Coal Drill.			Dt-12.5.2023, 17.5.2023


SIGNATURE OF THE CONCERNED FACULTY


SIGNATURE OF THE H.O.D.


PRINCIPAL
P.C.I.E.T., CHHENDIPADA
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA1

NAME OF THE FACULTY : (1) ER. JAGADIP MOHANTA, (2) ER. PRANAYA KUMAR BEHERA (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: PROJECT PHASE - II (PR-3)

CLASS ALLOTTED /WEEK : 06 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Selection of project assignment	FEBRUARY		14.2.2023 , 16.2.2023
2	Planning and execution of considerations			21.2.2023 , 23.2.2023 28.2.2023
3	Quality of performance	MARCH		2.3.2023 , 9.3.2023
4	Providing solution of the problems or production of final product			14.3.2023 16.3.2023 21.3.2023
5	Sense of responsibility			23.3.2023, 28.3.2023
6	Self expression/ communication/ Presentation skills	APRIL		4.4.2023, 6.4.2023 11.4.2023
7	Interpersonal skills/human relations			13.4.2023 , 18.4.2023 20.4.2023
8	Report writing skills			25.4.2023, 27.4.2023
9	Viva voce	MAY		2.5.2023 4.5.2023 9.5.2023 11.5.2023
10	SEMINAR			16.5.2023 18.5.2023 23.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA1

NAME OF THE FACULTY : (1) ER. AMARENDRA SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: LIFE SKILLS (PR-4)

CLASS ALLOTTED /WEEK : 02 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	SOCIAL SKILL	FEBRUARY		16.2.2023 , 23.2.2023
2	PROBLEM SOLVING	MARCH		2.3.2023 , 9.3.2023
3	PRESENTATION SKILL			16.3.2023 , 23.3.2023
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES	APRIL		6.4.2023 , 13.4.2023
5	WORKING IN TEAM			20.4.2023 , 27.4.2023
6	TASK MANAGEMENT	MAY		4.5.2023 , 11.5.2023 18.5.2023
7				
8				
9				

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T. CHHENDIPADA
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:- MINING ENGG.

SEMESTER: 6TH

SECTION : MNA1

NAME OF THE FACULTY : (1) ER. JAGADIP MAHANTA (LECT. IN MINING ENGG.)

SEMESTER FROM DT.13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
	Extension Lectures	FEBRUARY		17.2.2023 24.2.2023 25.2.2023
	Personality development	MARCH		3.3.2023 4.3.2023 10.3.2023 11.3.2023
				17.3.2023 18.3.2023 24.3.2023 25.3.2023 31.3.2023
	Environmental issues Quiz, hobbies, cultural activities	APRIL		8.4.2023, 15.4.2023 21.4.2023
				22.4.2023 28.4.2023 29.4.2023
	field visit, library study	MAY		6.5.2023 12.5.2023 20.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA

PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL -

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA2

NAME OF THE FACULTY : (1) ER. SOUBHAGYA RANJAN BISWAL (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: MINE GEOLOGY – II LAB (PR-1)

CLASS ALLOTTED /WEEK : 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Megascope identification of Igneous rocks in hand specimens	FEBRUARY		15.2.2023 17.2.2023 Dt - 22.2.2023 24.2.2023
2	Megascope identification of Sedimentary rocks in hand specimens	MARCH		Dt - 1.3.2023, 3.3.2023 10.3.2023, 15.3.2023 17.3.2023
3	Megascope identification of Metamorphic rocks in hand specimens			Dt - 22.3.2023 24.3.2023 29.3.2023 31.3.2023
4	Interpretation of contour maps and preparation of the profile section for it	APRIL		Dt 5.4.2023, 12.4.2023 19.4.2023
5	Interpretation of geological maps and preparation of the profile Section for it			21.4.2023 26.4.2023 28.4.2023
6	Describe the specific gravity of small specimen by Joley's spring balance	MAY		3.5.2023 10.5.2023 12.5.2023 17.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA
PRINCIPAL
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 -23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA2

NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY (H.O.D., MINING ENGG.), (2) ER. PRABIN KUMAR SAHOO, (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

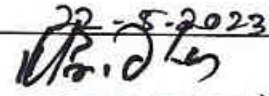
PRACTICAL SUBJECT: MINE MACHINERY – II LAB (PR-2)

CLASS ALLOTTED /WEEK : 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of Centrifugal Pumps	FEBRUARY		Dt-20.2.2023, 25.2.2023
2	Study of Turbine Pumps			Dt-27.2.2023, 4.3.2023
3	Study of Roto Pump	MARCH		Dt-6.3.2023 11.3.2023
4	Study of Sinking Pump			Dt-13.3.2023 18.3.2023
5	Study of electric coal drills & its accessories			Dt-20.3.2023 25.3.2023 27.3.2023
6	Study of Jack Hammer Drill with air leg	APRIL		Dt-3.4.2023 6.4.2023
7	Study of scrapper & shaker conveyor			Dt-11.4.2023 13.4.2023 18.4.2023
8	Study of scrapper loader			Dt-20.4.2023 25.4.2023 27.4.2023
9	Model Development of Gathering arm loader	MAY		Dt-1.4.2023 6.4.2023 8.4.2023
10	Study of Electric Coal Drill.			Dt-15.5.2023 20.5.2023 22.5.2023


SIGNATURE OF THE CONCERNED FACULTY


SIGNATURE OF THE H.O.D.


PRINCIPAL
P.C.I.E.T., CHHENDIPADA
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA2

NAME OF THE FACULTY : (1) ER. JAGADIP MOHANTA, (2) ER. PRANAYA KUMAR BEHERA (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: PROJECT PHASE - II (PR-3)

CLASS ALLOTTED /WEEK : 06 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Selection of project assignment	FEBRUARY		Dt- 14.2.2023 16.2.2023
2	Planning and execution of considerations			Dt- 21.2.2023 23.2.2023 28.2.2023
3	Quality of performance	MARCH		Dt- 2.3.2023, 9.3.2023
4	Providing solution of the problems or production of final product			Dt- 14.3.2023, 16.3.2023 21.3.2023
5	Sense of responsibility			Dt- 23.3.2023, 28.3.2023
6	Self expression/ communication/ Presentation skills	APRIL		Dt- 4.4.2023, 6.4.2023
7	Interpersonal skills/human relations			Dt- 11.4.2023 13.4.2023 18.4.2023
8	Report writing skills			Dt- 20.4.2023 25.4.2023 27.4.2023
9	Viva voce	MAY		Dt- 2.5.2023, 4.5.2023 9.5.2023, 11.5.2023
10	SEMINAR			Dt- 16.5.2023, 18.5.2023 23.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
P.C.I.E.T. CHHENDIPADA
Purna Chandra Institute of
Engineering & Technolog.
CHHENDIPADA, ANGI II

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA2

NAME OF THE FACULTY : (1) ER. AMARENDRA SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: LIFE SKILLS (PR-4)

CLASS ALLOTTED /WEEK : 02 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	SOCIAL SKILL	FEBRUARY		Dt- 16.2.2023 , 23.2.2023
2	PROBLEM SOLVING	MARCH		2.3.2023 , 9.3.2023
3	PRESENTATION SKILL			16.3.2023 , 23.3.2023
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES	APRIL		6.4.2023 , 13.4.2023
5	WORKING IN TEAM			20.4.2023, 27.4.2023
6	TASK MANAGEMENT	MAY		4.5.2023 11.5.2023 18.5.2023
7				
8				
9				

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

PRINCIPAL CHHENDIPADA
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:- MINING ENGG.

SEMESTER: 6TH

SECTION : MNA2

NAME OF THE FACULTY : (1) ER. JAGADIP MAHANTA (LECT. IN MINING ENGG.)

SEMESTER FROM DT.13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
	Extension lectures	FEBRUARY		17.2.2023 24.2.2023 25.2.2023
	Personality development	MARCH		3.3.2023 9.3.2023 10.3.2023 11.3.2023
	Environmental issues , Quiz hobbies , cultural activities			17.3.2023 18.3.2023 24.3.2023 25.3.2023 31.3.2023
		APRIL		8.4.2023 15.4.2023 21.4.2023
				22.4.2023 28.3.2023 29.4.2023
	field visit , library study	MAY		6.5.2023 12.5.2023 20.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA

PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB1

NAME OF THE FACULTY : (1) ER. SRIKANTA SAMAL (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: MINE GEOLOGY – II LAB (PR-1)

CLASS ALLOTTED /WEEK : 06 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Megascopic identification of Igneous rocks in hand specimens	FEBRUARY		16.2.2023 , 17.2.2023 23.2.2023 , 24.2.2023
2	Megascopic identification of Sedimentary rocks in hand specimens	MARCH		2.3.2023 , 3.3.2023 9.3.2023 , 10.3.2023
3	Megascopic identification of Metamorphic rocks in hand specimens			16.3.2023 , 17.3.2023 23.3.2023 , 24.3.2023
4	Interpretation of contour maps and preparation of the profile section for it	APRIL		31.3.2023 , 6.4.2023 13.4.2023
5	Interpretation of geological maps and preparation of the profile Section for it			20.4.2023 , 27.4.2023 28.4.2023
6	Describe the specific gravity of small specimen by Joley's spring balance	MAY		4.5.2023 , 11.5.2023 12.5.2023 , 18.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA
PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 -23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB1

NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY (H.O.D., MINING ENGG.), (2) ER. PRABIN KUMAR SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

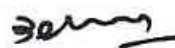
PRACTICAL SUBJECT: MINE MACHINERY – II LAB (PR-2)

CLASS ALLOTTED /WEEK : 03 PERIODS

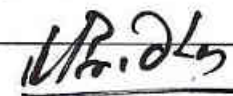
Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of Centrifugal Pumps	FEBRUARY		Dt- 14.2.2023, 16.2.2023
2	Study of Turbine Pumps			Dt- 21.2.2023, 23.2.2023 Dt- 28.2.2023
3	Study of Roto Pump	MARCH		Dt- 2.3.2023, 9.3.2023
4	Study of Sinking Pump			Dt- 14.3.2023, 16.3.2023
5	Study of electric coal drills & its accessories			Dt 21.3.2023 28.3.2023
6	Study of Jack Hammer Drill with air leg	APRIL		Dt 4.4.2023 6.4.2023 11.4.2023
7	Study of scrapper & shaker conveyor			Dt 13.4.2023, 18.4.2023 20.4.2023
8	Study of scrapper loader	MAY		Dt 2.5.2023 4.5.2023
9	Model Development of Gathering arm loader			Dt 9.5.2023 11.5.2023 16.5.2023
10	Study of Electric Coal Drill.			Dt 18.5.2023 23.5.2023



SIGNATURE OF THE CONCERNED FACULTY



SIGNATURE OF THE H.O.D.



PRINCIPAL
Pump, Chhenda, CHHENDIPADA
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB1

NAME OF THE FACULTY : (1) ER. PRITAN KUMAR PRADHAN, (2) ER. CHANDAN SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: PROJECT PHASE - II (PR-3)

CLASS ALLOTTED /WEEK : 06 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Selection of project assignment	FEBRUARY		15.2.2023, 20.2.2023
2	Planning and execution of considerations			22.2.2023, 27.2.2023
3	Quality of performance	MARCH		1.3.2023, 6.3.2023
4	Providing solution of the problems or production of final product			13.3.2023, 15.3.2023 20.3.2023, 22.3.2023
5	Sense of responsibility			27.3.2023, 29.3.2023
6	Self expression/ communication/ Presentation skills	APRIL		3.4.2023, 5.4.2023
7	Interpersonal skills/human relations			10.4.2023, 12.4.2023 17.4.2023
8	Report writing skills			19.4.2023, 24.4.2023 26.4.2023
9	Viva voce	MAY		3.5.2023, 1.5.2023
10	SEMINAR			8.5.2023, 10.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.


PRINCIPAL
 Puma Group of Institutions,
 Engineering & Technology
 CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB1

NAME OF THE FACULTY : (1) ER. AMARENDRA SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: LIFE SKILLS (PR-4)

CLASS ALLOTTED /WEEK : 02 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	SOCIAL SKILL	FEBRUARY		Dt 17.2.2023 Dt 24.2.2023
2	PROBLEM SOLVING	MARCH		Dt. 3.3.2023 Dt. 10.3.2023
3	PRESENTATION SKILL			Dt. 17.3.2023 Dt. 24.3.2023
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES	APRIL		Dt. 31.3.2023 Dt. 21.4.2023
5	WORKING IN TEAM			Dt. 28.4.2023
6	TASK MANAGEMENT	MAY		Dt. 12.5.2023
7				
8				
9				

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T. CHHENDIPADA

Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:- MINING ENGG.

SEMESTER: 6TH

SECTION : MNB1

NAME OF THE FACULTY : (1) ER. JAGADIP MAHANTA (LECT. IN MINING ENGG.)

SEMESTER FROM DT.13.02.2023 TO 23.05.2023

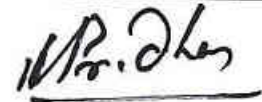
PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
	Extension Lectures	FEBRUARY		Dt. 25. 2. 2023
	Personality development	MARCH		Dt - 4. 3. 2023 Dt - 11. 3. 2023
				Dt - 18. 3. 2023 Dt - 25. 3. 2023
	Environmental issues, Quiz hobbies, cultural activities	APRIL		Dt - 8. 4. 2023 Dt - 15. 4. 2023
				Dt - 22. 4. 2023 Dt - 29. 4. 2023
	field visit, library study	MAY		Dt - 6. 5. 2023 Dt - 20. 5. 2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.



PRINCIPAL
P.C.I.E.T., CHHENDIPADA
PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB2

NAME OF THE FACULTY : (1) ER. ATISH KUMAR SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: MINE GEOLOGY – II LAB (PR-1)

CLASS ALLOTTED /WEEK : 06 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Megascopic identification of Igneous rocks in hand specimens	FEBRUARY		Dt - 14.2.2023, 16.2.2023 Dt - 21.2.2023, 23.2.2023 Dt - 28.2.2023
2	Megascopic identification of Sedimentary rocks in hand specimens	MARCH		Dt - 2.3.2023, 9.3.2023 Dt - 14.3.2023, 16.3.2023 Dt - 21.3.2023, 23.3.2023
3	Megascopic identification of Metamorphic rocks in hand specimens	APRIL		Dt - 28.3.2023, 4.4.2023 Dt - 6.4.2023, 11.4.2023
4	Interpretation of contour maps and preparation of the profile section for it			Dt - 13.4.2023, 18.4.2023 Dt - 20.4.2023, 25.4.2023 Dt - 27.4.2023
5	Interpretation of geological maps and preparation of the profile Section for it	MAY		2.5.2023, 4.5.2023 9.5.2023, 11.5.2023 16.5.2023
6	Describe the specific gravity of small specimen by Joley's spring balance			18.5.2023, 23.5.2023 25.5.2023, 30.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA
PRINCIPAL
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 -23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB2

NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY (H.O.D., MINING ENGG.), (2) ER. PRABIN KUMAR SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

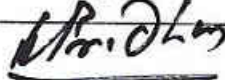
PRACTICAL SUBJECT: MINE MACHINERY – II LAB (PR-2)

CLASS ALLOTTED /WEEK : 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of Centrifugal Pumps	FEBRUARY		Dt 16.2.2023, Dt 17.2.2023
2	Study of Turbine Pumps			Dt 23.2.2023, 24.2.2023
3	Study of Roto Pump	MARCH		Dt 2.3.2023 3.3.2023 9.3.2023
4	Study of Sinking Pump			Dt 10.3.2023 16.3.2023 17.3.2023
5	Study of electric coal drills & its accessories			Dt 23.3.2023 24.3.2023 31.3.2023
6	Study of Jack Hammer Drill with air leg	APRIL		Dt 6.4.2023, 13.4.2023
7	Study of scrapper & shaker conveyor			Dt 20.4.2023, 21.4.2023
8	Study of scrapper loader			Dt 27.4.2023, 28.4.2023
9	Model Development of Gathering arm loader	MAY		Dt 4.5.2023, 11.5.2023
10	Study of Electric Coal Drill.			Dt 12.5.2023, 18.5.2023


SIGNATURE OF THE CONCERNED FACULTY


SIGNATURE OF THE H.O.D.


PRINCIPAL
P.C.I.E.T. CHHENDIPADA
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB2

NAME OF THE FACULTY : (1) ER. PRITAN KUMAR PRADHAN, (2) ER. CHANDAN SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: PROJECT PHASE - II (PR-3)

CLASS ALLOTTED /WEEK : 06 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Selection of project assignment	MARCH		dt-15.3.2023 , 20.3.2023
2	Planning and execution of considerations			dt-22.3.2023 , 27.3.2023
3	Quality of performance	APRIL		dt-6.4.2023
4	Providing solution of the problems or production of final product			dt-8.4.2023 dt-13.4.2023
5	Sense of responsibility			dt-15.4.2023, 20.4.2023
6	Self expression/ communication/ Presentation skills			dt-22.4.2023, 27.4.2023
7	Interpersonal skills/human relations			dt-29.4.2023
8	Report writing skills	MAY		dt-1.5.2023
9	Viva voce			dt-3.5.2023
10	SEMINAR			dt-8.5.2023, 10.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
Puma College Institute
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB2

NAME OF THE FACULTY : (1) ER. AMARENDRA SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: LIFE SKILLS (PR-4)

CLASS ALLOTTED /WEEK : 02 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	SOCIAL SKILL	FEBRUARY		Dt - 17. 2. 2023 Dt - 24. 2. 2023
2	PROBLEM SOLVING	MARCH		Dt - 3. 3. 2023 Dt - 10. 3. 2023
3	PRESENTATION SKILL			Dt - 17. 3. 2023 Dt - 24. 3. 2023
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES	APRIL		Dt - 31. 3. 2023 Dt - 21. 4. 2023
5	WORKING IN TEAM			Dt - 28. 4. 2023
6	TASK MANAGEMENT	MAY		Dt - 12. 5. 2023
7				
8				
9				

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL.

PRACTICAL LESSON PLAN FOR THE SESSION 2022 - 23

BRANCH:- MINING ENGG.

SEMESTER: 6TH

SECTION : MNB2

NAME OF THE FACULTY : (1) ER. JAGADIP MAHANTA (LECT. IN MINING ENGG.)

SEMESTER FROM DT.13.02.2023 TO 23.05.2023

PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
	Extension Lectures	FEBRUARY		Dt- 25.2.2023
	Personality development	MARCH		Dt- 4.3.2023 Dt- 11.3.2023
				Dt- 28.3.2023 Dt- 25.3.2023
	Environmental Issues Quiz, hobbies, cultural activities	APRIL		Dt- 8.4.2023 Dt- 15.4.2023
				Dt- 22.4.2023 Dt- 29.4.2023
	Field visit, Library study	MAY		Dt- 6.5.2023 Dt- 20.5.2023

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA

PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL