	<i>>-</i>		LESSON PLAN			
Discipline	e: Mining	Engineering	Semester:	Name of the Teaching Faculty: SHRI P.S.DASH		
Subject: Mine Survey-I (Theory-2)			No. of Days/Week Class allotted: 04/week	Semester Start Date: 15.09.2022 Semester End Date: 22.12.2022 No. of Weeks:15		
MONTH	WEEK	NO. OF PERIODS AVAILABLE	CLASS DAY	TOPICS	THEORY TO BE COVERED	
una kasimusin kunis sida jansir watel	3 rd	02	15.09.2022 16.09.2022		Introduction Preliminary Idea about Survey & its various terminology	
*	4 th	04	19.09.2022		Give survey conventional signs, abbreviation used. Give standards of lining, inking and coloring. Describe selection of scales used.	
					Explain principle of chain surveying. Describe instruments used and checking their correctness.	
SEPTE MBER			22.09.2022	Chain Survey	Explain ranging and chaining of a line. Calculate errors in chaining. Explain obstruction while chaining.	
			23.09.2022		Describe chaining along a sloping ground. Describe use of optical square and line range and checking optical square for correctness.	
	5 th	04	26.09.2022		Describe offsets and their measurements. Give reference sketches of stations. Give procedure of chain surveying.	
			29.09.2022	Compass Survey	Explain field booking and plotting of chain survey. Describe prismatic compass, its adjustments and use. Explain true meridians, magnetic meridian, grid line	
			30.09.2022		meridian and arbitrary meridian. MONTHLY TEST-1	
	3 rd	02	13.10.2022		Explain W.C.B. and Q.B. and conversion from one to other. Find out fore and back bearing and their conversion. Compute angles from bearing and bearing angles	
			14.10.2022		Define local alteration Determine local alteration and necessary correction to the bearing.	
OCTOB ER	4 th	04	17.10.2022	Compass Survey	Explain closed and open compass surveying and its plotting. Give procedure of field booking in compass and chain traverses.	
			18.10.2022		Explain adjustment of closing error in compass traversing. Describe surveyor compass (miner's dial), its adjustment and use Compare prismatic compass with surveyor compass.	

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			20.10.2022	A CONTRACTOR OF THE PROPERTY O	Fundamentals of Plane Table Survey.
остов			21.10.2022	Plane Table	Explain two point problems.
ER	5 th	03	25.10.2022	Survey	Explain three point problems and its solution by tracing paper method.
			27.10.2022		Explain three point problems and its solution by tracing paper method.
			28.10.2022		MONTHLY TEST-2
	2 nd	03	7.11.2022	Plane Table Survey	Describe advantages and disadvantages of plane table.
- -			10.11.2022		Explain methods of determining areas.
			11.11.2022		Find out areas from offset to a base line using
	3 rd	04	14.11.2022		■ Mid ordinate rule
			15.11.2022	Computataion of Areas	Average ordinate ruleTrapezoidal rule
					■ Simpson's rule
NOVEM			17.11.2022		Compute area by Planimeter and from graph paper
BER			18.11.2022		Define benchmark M.S.L. Dumpy level.
	4 th	03	21.11.2022		Adjust dumpy level, modern levels (Auto Level &
			24.11.2022	Levelling	etc.), and precise staff
			25.11.2022		Describe methods of levelling Rise & fall method, height of instrument
	5 th	02	28.11.2022		Errors in ordinary leveling
			29.11.2022		MONTHLY TEST-3
DECEM	1st	02	01.12.2022		Explain trigonometric leveling, geometrical leveling,
BER			02.12.2022	Levelling	and physical leveling

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	2 nd	04	05.12.2022		Classify reserves.
			06.12.2022	Onlandation of	Evaluate reserves by exploratory
			08.12.2022	Calculation of ore	
	3 rd	04	09.12.2022 12.12.2022		Calculate primary ore reserve by material balance method
DECEM BER			13.12.2022		Describe temporary and permanent adjustment of Theodolite.
			15.12.2022	Theodolite	Describe the principles of operation & describe different parts.
		·	16.12.2022	i neodonie	Measure Horizontal & Vertical angles
	4 th	03	19.12.2022		Describe setting of the instrument.
			20.12.2022		Explain Traversing with Theodolite.
			22.12.2022		MONTHLY TEST-4

Parter Samuely Park.

Prepared by SRI P.S.DASH

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