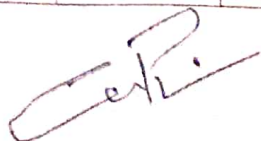
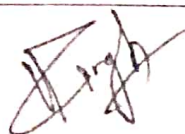



LESSON PLAN

SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH, BBSR

DISIPLINE- MINING ENGG.	SEMESTER	NAME OF THE FACULTY-	REMARK
SUBJECT- MS-1	NO. OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM -15.09.2022	
WEEK	DATE	TOPICS	
1ST	15.09.2022	Introduction class about mine survey.	
	19.09.2022	Give survey conventional signs, abbreviation used.	
	22.09.2022	Give standards of lining, inking and coloring.	
	24.09.2022	Describe selection of scales used.	
2ND	30.09.2022	Explain principle of chain surveying.	
	07.10.2022	Describe instruments used and checking their correctness.	
	10.10.2022	Explain ranging and chaining of a line.	
	14.10.2022	Calculate errors in chaining.	
3RD	17.10.2022	Explain obstruction while chaining.	
	19.10.2022	Describe chaining along a sloping ground.	
	21.10.2022	Describe use of optical square and line range & checking for correctness.	
	24.10.2022	Describe offsets and their measurements.	
4TH	27.10.2022	Give reference sketches of stations.	
	29.10.2022	Give procedure of chain surveying.	
	31.10.2022	Explain field booking and plotting of chain survey.	
	02.11.2022	Describe prismatic compass, its adjustments and use.	
5TH	04.11.2022	Explain true meridians, magnetic meridian, grid line meridian and arbitrary meridian.	
	05.11.2022	Explain W.C.B. and Q.B. and conversion from one to other	
	08.11.2022	Find out fore and back bearing and their conversion.	
	09.11.2022	Compute angles from bearing and bearing angles.	
6TH	11.11.2022	Determine local alteration and necessary correction to the bearing.	
	15.11.2022	Explain closed and open compass surveying and its plotting.	
	17.11.2022	Give procedure of field booking in compass and chain traverses.	
	18.11.2022	Explain adjustment of closing error in compass traversing.	
7TH	21.11.2022	Describe surveyor compass(miner's dial),its adjustment and use	
	22.11.2022	Compare prismatic compass with surveyor compass.	
	24.11.2022	Plane Table Survey, Explain two point problems, advnt. and disadvntg. of plane table.	
	25.11.2022	Explain methods of determining areas, Mid ordinate rule, Trapezoidal rule.	
8TH	28.11.2022	Define benchmark M.S.L. Dumpy level, Adjust dumpy level, modern levels .	
	30.11.2022	Describe methods of leveling- Rise & fall method, height of instrument.	
	01.12.2022	Explain reciprocal leveling,subsidenceleveling,setting out gradient	
	09.12.2022	Trigonometric leveling, geometrical leveling, and physical leveling.	
9TH	13.12.2022	Monthly Test.	
	16.12.2022	Classify reserves.	
	19.12.2022	Evaluate reserves by exploratory	
	21.12.2022	2 marks & 5 marks question answer discussion.	
10TH	27.12.2022	Describe temporary and permanent adjustment of Theodolite.	
	29.12.2022	Calculate primary ore reserve by material balance method & decline curve method.	
	31.12.2022	Mock test.	
	02.01.2023	Describe the principles of operation & describe different parts.	
11TH	03.01.2023	Measure Horizontal & Vertical angles.	
	04.01.2023	Describe setting of the instrument.	
	06.01.2023	Explain Traversing with Theodolite.	
	09.01.2023	Previous year question & answer discussion.	


Principal
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