


**LESSON PLAN**  
**SESSION-WINTER-2023**

SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH. BBSR			
			
DISCIPLINE- MINING ENGG.	SEMESTER- 3RD	NAME OF THE FACULTY-	REMARK
SUBJECT- MS-I	NO.OF CLASS ALOTTED/ WEEK-4	SEMESTER FROM-01.08.2023	
WEEK	DATE	TOPICS	
1ST	01.08.2023	Introduction class on mine survey.	
	02.08.2023	Give survey conventional signs, abbreviation used.	
	04.08.2023	Give standards of lining, inking and coloring.	
	07.08.2023	Describe selection of scales used.	
2ND	08.08.2023	Explain principle of chain surveying.	
	10.08.2023	Describe instruments used and checking their correctness.	
	12.08.2023	Explain ranging and chaining of a line.	
	14.08.2023	Calculate errors in chaining.	
3RD	16.08.2023	Explain obstruction while chaining.	
	18.08.2023	Describe chaining along a sloping ground.	
	22.08.2023	Describe use of optical square and line range and checking optical square for correctness.	
	24.08.2023	Describe offsets and their measurements.	
4TH	26.08.2023	Give reference sketches of stations.	
	29.08.2023	Give procedure of chain surveying.	
	31.08.2023	Explain field booking and plotting of chain survey.	
	01.09.2023	Mock Test.	
5TH	05.09.2023	Describe prismatic compass, its adjustments and use.	
	08.09.2023	Explain true meridians, magnetic meridian, grid line meridian and arbitrary meridian.	
	12.09.2023	Explain W.C.B. and Q.B. and conversion from one to other	
	13.09.2023	Find out fore and back bearing and their conversion.	
6TH	15.09.2023	Compute angles from bearing and bearing angles.	
	16.09.2023	Define local alteration.	
	18.09.2023	Determine local alteration and necessary correction to the bearing.	
	21.09.2023	Explain closed and open compass surveying and its plotting.	
7TH	23.09.2023	Give procedure of field booking in compass and chain traverses.	
	25.09.2023	Explain adjustment of closing error in compass traversing.	
	26.09.2023	Describe surveyor compass(miner's dial),its adjustment and use	
	28.09.2023	Compare prismatic compass with surveyor compass.	
8TH	30.09.2023	Monthly test.	
	04.10.2023	Fundamentals of Plane Table Survey.	
	06.10.2023	Explain two point problems.	

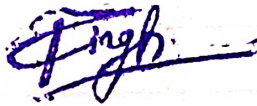


	07.10.2023	Explain three point problems and its solution by tracing paper method.	
	09.10.2023	Explain three point problems and its solution by tracing paper method.	
9TH	11.10.2023	Explain methods of determining areas.	
	10.10.2023	Find out areas from offset to a base line using	
	13.10.2023	Mid ordinate rule & Average ordinate rule.	
10TH	16.10.2023	Trapezoidal rule & Simpson's rule.	
	18.10.2023	Define benchmark M.S.L. Dumpy level.	
	20.10.2023	Adjust dumpy level, modern levels (Auto Level & etc.), and precise staff.	
11TH	26.10.2023	Describe methods of leveling- Rise & fall method, height of instrument.	
	28.10.2023	Explain reciprocal leveling, subsidence leveling, setting out gradient, trigonometric leveling, geometrical leveling, and physical leveling	
	30.10.2023	Classify reserves.	
12TH	01.11.2023	Calculate primary ore reserve by material balance method & decline curve method.	
	04.11.2023	Describe temporary and permanent adjustment of Theodolite.	
	06.11.2023	Describe the principles of operation & describe different parts.	
	08.11.2023	Measure Horizontal & Vertical angles.	
12TH	10.11.2023	Describe setting of the instrument.	
	13.11.2023	Explain Traversing with Theodolite.	
	16.11.2023	Previous year question & answer solve.	

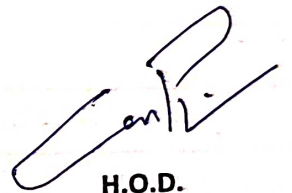


Principal

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Dean Academics



H.O.D.