Curriculum Plan (EVEN SEM 2024-25): VAC (Semester-4)
Vedic Mathematics-III

Teacher'S Profile **Hari Kishan Bhardwaj** Department of Mathematics, Kalindi College, University of Delhi, Delhi- 110008 Mobile: +91-9868053327 Email: harikishan@kalindi.du.ac.in		**Marks Distribution**	**Theory**	30 Marks
			Internal Assessment	10 Marks
			Continuous Assessment	40 Marks
		Classes Assigned	**Lectures**	1 Per Week
			Tutorial	

Reference		1. Advanced Vedic Mathematics by Rajesh Thakur 2. Studies in Indian Mathematics and Astronomy by Aditya Kalachana, K. Mahesh and K. Ramasubramanian Springer

	Week	**Topics**	
	1st Week (2-11 JAN)	Introduction of Trigonometric ratios	
	2nd Week (13-18 JAN)	Trigonometric Identities	
	3rd Week (20-25 JAN)	BN of Complementary angles	
	4th Week (27 JAN-01 FEB)	BN of Complementary angles	
	5th Week (3-8 FEB)	BN of sum and difference $(\alpha \pm \beta)$ of an angle	
	6th Week (10-15 FEB)	BN of sum and difference $(\alpha \pm \beta)$ of an angle	
	7th Week (17- 22 FEB)	Application Trigonometry	
	8th Week (24 FEB-1 MAR)	Height and Distance	
	9th Week (3-8 MAR)	Height and Distance	
	10th Week (17-22 MAR)	Inverse Trigonometric Function	
	11th Week (24 -29 MAR)	Inverse Trigonometric Function	
	12th Week (31 MAR-5 APR)	Angle between two lines	
	13th Week (7-12 APR)	Angle between two lines	
	14th Week (14-19 APR)	Perpendicular distance from point to line	
	15thWeek (21–26 APR)	Perpendicular distance from point to line	
	16th Week (28-30 APR)	Revision	