Curriculum Plan (ODD SEM 2024-25): VAC I Sem
Vedic Mathematics-1

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
				Assignments -4 Marks
				Test - 4 Marks
				Attendance - 2 Marks
		Classes Assigned	**Lectures**	1 Per Week

Reference		1. The Essential of Vedic Mathematics, Rajesh Kumar Thakur, Rupa Publications, New Delhi 2019. 2. Vedic Mathematics Made Easy, Dahaval Bathia, Jaico Publishing, New Delhi 2011 3. Vedic Mathematics: Sixteen Simple Mathematical formulae from the Vedas, Jagadguru Swami Sri Bharati Krishna Trithaji, Motilal Banarasidas, New Delhi 2015. 4. Learn Vedic Speed Mathematics Systematically, ChaitnayaA. Patil 2018.	

	Week	**Topics**	
	1st Week (29 AUG-7 SEP)	Vedic Maths: History of Vedic Maths and its Features	
	2nd Week (9-14 SEP)	Vedic Maths formulae: Sutras and Upsutras	
	3rd Week (16-21 SEP)	Addition in Vedic Maths: Without carrying, Dot Method	
	4th Week (23-28 SEP)	Subtraction in Vedic Maths: Nikhilam Navatashcaramam Dashatah (All from 9 last from 10)	
	5th Week (30 SEP-5 OCT)	Fraction -Addition and Subtraction	
	6th Week (7-12 OCT)	Multiplication in Vedic Maths: Base Method (any two numbers upto three digits)	
	7th Week (14- 19 SEP)	Multiplication by Urdhva Tiryak Sutra	
	8th Week (21-26 SEP)	Miracle multiplication: Any three-digit number by series of l's and 9's	
	9th Week (4-9 NOV)	Division by Urdhva Tiryak Sutra (Vinculum method)	
	10th Week (11-16 OCT)	Squares of any two-digit numbers: Base method, Square of numbers ending in 5: Ekadhikena Purvena Sutra	
	11th Week (18 -23 NOV)	Easy square roots: Dwandwa Yoga (duplex) Sutra, Square root of 2: Baudhayana Shulbasutra	
	12th Week (25-30 NOV)	Cubing: Yavadunam Sutra	
	13th Week (2-7 DEC)	Factoring Quadratic equation: Anurupyena, Adyamadyenantyamanty, Sutra Concept of Baudhayana (Pythagoras) Theorem	
	14th Week (9-14 DEC)	Circling a square: Baudhayana Shulbasutra, Concept of pi: Baudhayana Shulbasutra	
	15th Week (16–21 DEC)	Concept angle (8) 0°, 30^0, 45^0, 60^0 and 90^0: Baudhayana number	
	16th Week (22-24 DEC)	Revision	