


**Curriculum Plan (ODD SEM 2022-23): Value Addition Course
VAC- Vedic Mathematics-I**

Teacher 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	End Semester Theory Exam	25 % Marks
			Internal Assessment	25 % Marks
			Practical	50 % Marks
		Classes Assigned	Lectures	1 per Week
			Practical	2 per week (2 Batch- 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, Chaitnaya A. Patil 2018.			
	Week	Topics		
	1 st Week (2-12 NOV)	Vedic Maths: History of Vedic Maths and its Features, Vedic Maths formulae: Sutras		
	2 nd Week (14-19 NOV)	Vedic Maths formulae: Sutras and Upsutras		
	3 rd Week (21-26 NOV)	Addition in Vedic Maths: Without carrying, Dot Method,		
	4 th Week (28 NOV-3 DEC)	Subtraction in Vedic Maths: Nikhilam Navatashcaramam Dashatah (All from 9 last from 10),		
	5 th Week (5-10 DEC)	Fraction –Addition and Subtraction,		
	6 th Week (12-17 DEC)	Multiplication in Vedic Maths: Base Method (any two numbers upto three digits)		
	7 th Week (19-24 DEC)	Multiplication by Urdhva Tiryak Sutra		
	8 th Week (26-31 DEC)	Miracle multiplication: Any three-digit number by series of 1's and 9's		
	9 th Week (2-7 JAN)	Division by Urdhva Tiryak Sutra (Vinculum method), Squares of any two-digit numbers: Base method		
	10 th Week (9-14 JAN)	Square of numbers ending in 5: Ekadhikena Purvena Sutra, Easy square roots: Dwandwa Yoga (duplex) Sutra		
	11 th Week (16 -21 JAN)	Square root of 2: Baudhayana Shulbasutra, Cubing: Yavadunam Sutra		
	12 th Week (23-28 JAN)	Factoring Quadratic equation: Anurupyena, Adyamadyenantyamanty Sutra		
	13 th Week (30 JAN-4 FEB)	Concept of Baudhayana (Pythagoras) Theorem, Circling a square: Baudhayana Shulbasutra		
	14 th Week (6-11 FEB)	Concept of pi: Baudhayana Shulbasutra, Concept angle (θ) 0^0 , 30^0 , 45^0 , 60^0 and 90^0 ,: Baudhayana number		
	15 th Week (13 –17 Feb)	Revision		

Assessment Methods* Internal Assessment: 25% End Semester Theory Exam: 25% Practical: 50% *Subject to directions from the Examination Branch/University of Delhi from time to time