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IIVA Vedic Contents

Part - 1

1)	Introduction of Vedic Maths
2)	History of Vedic Maths
3)	Benefits of Vedic Maths
4)	Sutras
5)	Sub-Sutras
6)	Sutras and their explanation
7)	Multiplication by 11 and multiples of 11 (Sub Sutra Ānurūpyeṇa)
8)	Multiplication by 12 to 19 (Sutra Sopāntyadvayamantyam)
9)	Multiplication by 111
10)	Multiplication by 222 to 999
11)	Base Method Multiplication (Sutra Nikhilaṃ Navataścaramaṃ Daśataḥ and Sub Sutra Ānurūpyeṇa)
	(a) Below Base 10
	(b) Below Base 20-90
	(c) Below Base 100
	(d) Below Base 200-900
	(e) Above Base 10
	(f) Above Base 20-90
	(g) Above Base 100
	(h) Above Base 200-900
	(i) Base method when one number is above & other is below the same base
	(j) When Bases are different but both numbers are below base
	(k) When Bases are different but both numbers are above base
12)	If the sum of units digits is 10 and rest place digits are same (Sub Sutra Antyayordaśake'pi)
13)	If the sum of tens place digits is 10 and ones place digits are same
14)	Multiplication by 9
15)	Multiplication by Number Ending with 9 i.e. 19- 99



16)	General Method (2 digits x 2 digits) (Sutra Ūrdhva Tiryagbhyāṃ)
17)	Subtraction (all from 9 & last from 10) (Sutra Nikhilaṃ Navataścaramaṃ Daśataḥ)
18)	Vinculum
19)	Change units digit into a vinculum
20)	Change all digits to vinculum except first
21)	Devinculate
22)	Subtraction using vinculum
23)	Addition Base Method
24)	Subtraction Base Method
25)	Addition/ Subtraction using vinculum
26)	Addition using Complements
27)	Division by 9 (Sutra Nikhilaṃ Navataścaramaṃ Daśataḥ)
28)	Division by 8 (Sutra Nikhilaṃ Navataścaramaṃ Daśataḥ)
29)	Division by 11 (Sutra Nikhilaṃ Navataścaramaṃ Daśataḥ)
30)	Division by 12 (Sutra Nikhilaṃ Navataścaramaṃ Daśataḥ)
31)	Division by 99 (Sutra Nikhilaṃ Navataścaramaṃ Daśataḥ)
32)	Division by number above base 100 (Sutra Nikhilaṃ Navataścaramaṃ Daśataḥ)
33)	Division Base Method (Above Base)
34)	Division Base Method (Below Base) (Sutra Nikhilaṃ Navataścaramaṃ Daśataḥ)
35)	Squares (Base Method) (Sub Sutra Yāvadūnaṃ Tāvadūnikṛtya Vargañca Yojayet)
36)	Square of number ending with 5 (Sutra Ekādhikena Pūrveṇa)
37)	Square of number starting with 5



IIVA Vedic Contents Part - 2

1)	Tables Using Vinculum
2)	Multiplication by number of nines
	(Sutra Ekādhikena Pūrveṇa)
	a) Multiplier has equal of nines as multiplicand digits
	b) Multiplier has less number of nines as compared to digits of multiplicand
	c) Multiplier has more number of nines as compared to digits of multiplicand.
	(Sutra Ūrdhva Tiryagbhyāṃ)
	a) 2 D x 2 D
	b) 3 D x 3 D
	c) 3 D x 2 D
	d) 4 D x 4 D
	e) 4 D x 3 D
	f) 4 D x 2 D
5)	Division General Method [Flag Method]
	(Sutra Parāvartya Yojayet)
6)	Squares by Duplex Method
	(Sub Sutra Dwandwayogah)
7)	Addition of Squares
8)	Square Roots of Exact Squares
	(Sub-Sutra Vilokanaṃ)
9)	CUBES
	(Sub-Yāvadūnaṃ)
10)	Cube Roots of Exact Cubes
	(Sub-Sutra Vilokanaṃ)
11)	Fourth Power 2 Digit Number



IIVA Vedic Contents

Part - 3

1)	Addition and Subtraction (Fractions)
2)	Auxiliary fractions
	(Sutra Ekādhikena Pūrveṇa)
	a. Denominator Ending with 9
	b. Denominator Ending with 8
	c. Denominator Ending with 7
	d. Denominator Ending with 6
	e. Denominator Ending with 1
3)	Multiplication (3 Rows General Method)
4)	Multiplication (3 Rows Base Method)
5)	Magic Squares
6)	Multiplication (Algebraic Expressions)
	(Sutra Ūrdhva Tiryagbhyāṃ)
7)	Division (Algebraic Expressions)
	(Sutra Parāvartya Yojayet)
8)	Divisibility Rules
	(Sutra Ekādhikena Pūrveṇa & Sub Sutra Veṣṭanaṃ)
9)	Approximations
	(Sutra Ūrdhva Tiryagbhyāṃ & Sutra Guṇakasamuccayaḥ)
10)	Calendar Technique (Days & Dates)



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IIVA Vedic Contents

Part - 4

1)	Pythagoras Theorem (Bandhayana Theorem)
	a) Proofs
2)	Triples (Tribhu Jank)
	a. Addition of Triples
	b. Double of Angle
	c. Finding Triple of Angle
	d. Subtraction of Triples
	e. Half Angle
3)	Coordinate Geometry
	a. Distance between the two given points
	b. Equation of straight line passing through two points
	c. Length of perpendicular of a point from the given line
4)	Simple Equation
5)	Factorisation