

Regular Course of Vedic Mathematics consisting of 5 Modules each of 10 lectures of 1 hour

Module 1 (Special Cases)

History of Vedas and relation to Mathematics

Addition (3 methods)

Subtraction

Magic of 9 in multiplications (4 methods and its various applications)

Fast and special methods of squaring

Enhanced techniques of multiplications (5 methods)

Easy division method

Tally Of the sums

Module 2

Special technique to understand techniques of multiplication and fasten the process

Multiplication by deficiency (5 types)

History of mathematical symbols

Multiplication by Vertical Crosswise

Trectenberg System

Squaring of special numbers

Squaring of any number by deficiency (with and without decimals)

Squaring of any number by dwandwa yoga

Cubing

Square root

Cube root

Module 3

Division (2 methods with all exclusive possibilities)

Recurring numbers (4 methods and 5 types)

History of other Indian Mathematical systems

Osculations

Factors and multiples

Usage of Viniculum as catalyst

Introduction to Algebra

Factorisation (simple to cubic)

HCF and LCM

Module 4

What is 'sutra' and which are the sutras of Vedic Mathematics

Simple Equations

Quadratic Equations

Cubic Equations

Simultaneous Equations

Bi-quadratic Equations

Multiple Equations

Simultaneous Quadratic Equations

Factorisation/ Differential Calculus/ Partial Fraction by Integration/ etc (if required according to the batch demand)

Or Practical sums of Permutation Combination and practice for appearing in competitive exams

Pythagoras theorem and Triplets

time and speed

Problems on races

Module 5

Combination Mathematics (applying the above techniques in multiple ways)

Menstruations

Percentage

Profit and loss

Partnership

Discount

Simple interest

Compound interest

Banking and Insurance

Shares

Foreign Exchange

Problem based on instalment

List of twentieth century Mathematicians

Module 6 (Logic)

Introduction

Syllogism (also enthymeme and sorites)

Analogy

Series completion

Logical Sequence

Arithmetical Sequence

Verification of truth of statement

Some Part of Non-Verbal Reasoning

Direction

Relations

Situation Reactions