

## **Certificate Course Of Vedic Maths**

**T.M: 100**

**M.TIME:30-35 LECT.(1 HOUR EACH)**

**P.M: 40**

**CREDIT : 3**

### **Objectives:**

1. To enable the learners to explore the power of Vedic Maths.
2. To make learners strong in Numerical Maths.
3. To enable learners to recognize and understand simple techniques of Arithmetic Calculations.
4. To train learners to use the ideas of Vedic Maths in daily calculations and make those calculations with accuracy and speed.
5. Student use their logical thinking and analytical abilities to solve Quantitative aptitude questions from company specific and other competitive tests.

**Learning Outcomes:** By successfully completing this course, the learner will be able to:

1. Perform simple arithmetic calculations with speed and accuracy
2. Will be able to generate tables of any number
3. To perform products of large numbers quickly
4. Develop confidence in calculating square roots and cube roots of integers
5. Perform difficult calculations speedily.
6. Face Numerical Aptitude part of any Competitive Examination Confidently.
7. This course provide the student with an understanding of deductive and inductive reasoning
8. To make students understand both Verbal and Non Verbal Reasoning
9. To practice various quantitative aptitude question..

### **Sec-A**

1. History and Evolution of Vedic Mathematics, Introduction of Basic Vedic Mathematics Techniques in Multiplication (Special Case, Series of 9, Series of 1 etc), Tables etc., Comparison of Standard Methods with Vedic Methods.
2. Various techniques to carry out basic operations covering Addition, Subtraction, Multiplication, Division, Complements and Bases, Vinculum number, General multiplication (Vertically Crosswise).
3. Multiplications by numbers near base, Verifying answers by use of digital roots, Divisibility tests, Division of numbers near base, Comparison of fractions

### **Sec-B**

4. Applications of Vinculum, Different methods of Squares (General method, Base method, Duplex method etc.)
5. Cubes, Cube roots, Square roots, General division
6. Quadratic Equations, Simultaneous Equations, Use of various Vedic Techniques for answering numerical aptitude questions from Competitive Examinations.

***Suggested Readings:***

1. *Bhatiya Dhaval, Vedic Mathematics Made Easy, Jaico Publishing House.*
2. *Thakur Rajesh Kumar, Vedic Mathematics for students taking Competitive Examinations. Unicorn Books 2015 or Later Edition.*
3. *Gupta Atul, Power of Vedic Mathematics with Trigonometry, Jaico Books.*
4. *V. G. Unkalkar, Magical World of Mathematics (Vedic Mathematics), Vandana Publishers, Bangalore.*