

Course Name: Certificate course in Vedic Mathematics.

Session-2020-21

Course Title: Vedic Mathematics

Course Code: CVML-1331

Programme Specific Outcomes

After the successful completion of this certificate course, the students will be able to:

PSO 1: To enhance computational skills in maths.

PSO 2: Develop Analytical thinking through Vedic maths.

PSO 3: Enable further research in Indian mathematics.

PSO 4: Conduct seminar on the subject and bringing together scholars in mathematics.

PSO 5: Develop postal and online study courses on Indian mathematics.

PSO 6: Instil love and remove the fear of mathematics.

PSO 7: Promote Vedic culture.

PSO 8: Crack entrance on competitive exam.

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Course Outcomes

The students will be able to

CO 1: Develop the understanding of objectives and features of Vedic maths.

CO 2: Recognize the meaning of mathematical sutras in Sanskrit.

CO 1: Understand the concept of addition and subtraction using completing the whole and from left to right.

CO 2: Manage to solve the multiplication using vertically and crosswise and one more than the previous one method and demonstrate multiplication by 11, 12 and 13 by using Vedic sutras of multiplication.

CO 3: Distinguish between squaring numbers ending in 5 and squaring numbers near number 50 and manage to simplify algebraic squaring.

CO 4: Apply reverse squaring to find square root of number ending in 5 and manage to solve the square root of perfect square.

CO 5: Identify cube and cube roots, understand and apply division by 9 and understand the concept of division by using straight division.

