

Course No.	C-1
Name of the Course	Introduction to Vedic Mathematics
Type of Course (Diploma/ Certificate/ Add on	Certificate
Offered by	Dept. of Mathematics
Linkages	
No. of hours	30 hours
Expected outcome	1. To make Mathematics easy and interesting 2. To solve complex mathematical problems faster and easier 3. To study some speedy techniques for various competitive and entrance exams
Course Objective	1.To help students to improve their mathematical and logical skills for cracking competitive exams using vedic mathematics.
Brief Description	Vedic mathematics is a collection of ancient tricks and techniques to execute arithmetic operations quickly and more efficiently. The course help students to attain the same.
Syllabus	<p>UNIT I :An introduction to Vedic Mathematics, Squaring of a number ending with ‘5’, Multiplication of numbers whose last digit add to 10 and the remaining digits are the same, Squaring of numbers between 50 and 60, Multiplication of numbers with a series of 9’s, Multiplication of numbers with a series of 1’s, Multiplication of numbers with a series of similar digits in multiplier, Subtraction using the rule ‘ All from 9 and the last from 10’(Chapter 1 of Text 1)</p> <p>UNIT II : Criss-cross system of multiplication, Multiplication of higher order numbers, The characteristics of criss-cross system, Squaring of numbers , Base method for squaring(Chapter 2,3&7 of Text 1)</p> <p>UNIT III : Cube roots of perfect cubes, Square roots of perfect squares, Base method of multiplication (Chapter 4,5&6 of Text 1)</p> <p>UNIT IV : Digit-sum method, Magic squares, Dates and calendars, Base method of division (Chapter 8,9,10&15 of Text 1)</p> <p>TEXTBOOKS : 1. DhavalBathia-Vedic Mathematics Made Easy,Jaico Books 2.Swami Sri BharatiKrsnaTirthajiMaharaj-Vedic Mathematics,MotilalBanarsidass Publishers Pvt.Ltd. 3. S.K. Kapoor-Vedic Mathematics for All, Lotus Press</p>

Evaluation Pattern	<p>External Examination -100 marks (To be evaluated by examiner other than FIC)</p> <p>Internal Examination - Test Paper (1) -50 marks</p> <p>Assignment (1) -25 marks</p> <p>Attendance -25 marks (90% or above -25, 80%-90% -20 marks, 70%-80% -15 marks, 60%-70% -10 marks 50%-60% -5 marks, Less than 50%-0 marks, Attendance Greater than 50% is a must to attend external exam)</p> <p>Total -200 marks</p>
Mode of Class	Online (Google Class room)