PG& Research Department of Mathematics
MARY MATHA ARTS & SCIENCE COLLEGE
MANANTHAVADY
(Affiliated to Kannur University)

CERTIFICATE COURSE SYLLABUS
"VEDIC MATHEMATICS"

Course Code	No.of Teaching Hours	Marks		
		Final Exam	Internal	Total
CCMATVM23	30Hrs	40	10	50

Continuous Internal Assessment

Component	Weightage	Marks	Remark
Assignment	50%	5	A student has to submit one assignment
Test Paper	50%	5	A student has to appear for at least one written test
Total	100%	10	

A student has to secure 40% marks for final examination to pass

COURSE OUTCOMES

CO1	Understand the importance of Vedic Mathematics
CO2	Learn basics of Vedic Mathematics
CO3	Learn different methods for multiplications using Vedic Mathematics
CO4	Learn division using Vedic Mathematics
CO5	Learn straight division using Vedic Mathematics
CO6	Learn squaring and cubing of numbers Vedic Mathematics
CO7	Learn to obtain recurring decimals using Vedic Mathematics
CO8	Learn to find out sum and differences of squares using Vedic Mathematics
CO9	Learn to find out the square root of a numbesr using Vedic Mathematics
CO10	Learn to find out the cube root of a numbers using Vedic Mathematics

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CCMATVM23: Vedic Mathematics

Module 1 – History and importance of Vedic Mathematics, Nikhilam Sutra for multiplication, Urdhva-Tiryka sutra for multiplication of numbers, Division by Nikhilam method, Straight division by Vedic Mathematics. (15 Hours)

Module 2 – Squaring using Yavadunam Sutra and cubing of numbers using Anurupya Sutra, Recurring decimals, Sum and differences of squares of numbers, Square root and cube root of numbers using Vedic Mathematics. (15 Hours)

References

1. 'Vedic Mathematics', JagadguruSankaracarya, 1992.
2. 'The power of Vedic Mathematics', Atul Gupta, 2005.
3. 'Vedic Mathematics, Made Easy', Dhaval Bathia, 2014.
4. 'Maths Sutra: The art of vedic speed calculation', George Gratzer, 2007