

MAHATMA GANDHI UNIVERSITY, KOTTAYAM**SCHOOL OF PEDAGOGICAL SCIENCES****CERTIFICATE COURSE ON VEDIC MATHEMATICS (Basic Level)****ABOUT THE COURSE**

The Certificate Course on Vedic Mathematics (Basic Level) is designed to enable the students to calculate much faster compared to the traditional system through Vedic Mathematics. This Vedic Mathematics course aims to promote the traditional knowledge of Mathematics mastered by the mathematicians of ancient India. It will not only make Mathematics an enjoyable experience, but it will make a remarkable difference to students' confidence and self-esteem.

OBJECTIVES OF THE COURSE

1. To eradicate the fear of Mathematics and instill confidence in students.
2. To improve calculation speed and numerical skills.
3. To sharpen the brain.
4. To facilitate the habit of analytical thinking towards any problem.
5. To provide an insight into ancient Indian mathematics.

COURSE ELIGIBILITY

The course on Vedic Mathematics (Basic Level) is conducted by School of Pedagogical Sciences, Mahatma Gandhi University, Kottayam for the learners who have passed Class 10 and have interest in Mathematics. It is mandatory for the students to attend 30 compulsory hours of the course and to qualify the course end examination.

COURSE DIRECTORS

Prof. (Dr.) Minikutty A., Professor & Head of the Department

Prof. (Dr.) Asha J. V., Professor & Dean, Faculty of Education

Prof. (Dr.) Jaya Jaise, Professor, Former HoD & Dean, Faculty of Education

COURSE DEVELOPER & COORDINATOR

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VEDIC MATHEMATICS COURSE (BASIC LEVEL)

SYLLABUS

Sl. No.	Mathematics Concepts	Vedic Sutras	Day (2 Hrs)
BASIC LEVEL			
1	Introduction	Mathematical Heritage of India	Day-1
2	Addition (Whole numbers)	Shuddha Sutra	Day-2
3	Subtraction (Whole numbers)	Shuddha Sutra	Day-3
4	Complement of a number	NikhilamNavatascaramamDasatah	Day-4
5	Multiplication I	EkadhikenaPurvena	Day-5
6	Multiplication II	Antyayordasakeapi	Day-6
7	Multiplication III	EkanyunenaPurvena	Day-7
8	Identities- I	NikhilamNavatascaramamDasatah	Day-8
9	Identities- II	NikhilamNavatascaramamDasatah	Day-9
10	Identities- III	NikhilamNavatascaramamDasatah	Day-10
11	Identities- IV	NikhilamNavatascaramamDasatah	Day-11
12	General Multiplication-Two & Three Digits	UrdhvaTiryagbhyam	Day-12
13	General Multiplication-Four Digits & above	UrdhvaTiryagbhyam	Day-13
14	Division I	NikhilamNavatascaramamDasatah	Day-14
15	Division II	ParavartyaYojayet	Day-15
16	Straight Division	Dhwajankam	Day-16
Evaluation Examination			