

ST. ALOYSIUS (AUTO) COLLEGE, JABALPUR

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE

VEDIC MATHEMATICS

S. No.	Title	Maximum Marks	Minimum Marks
I	Theory	100	40

Note: Total duration of the course is 30 contact hours.

M. Dhabe

Randhu
26/7/24

Raman

A

Aalga

Gaur
Benti

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ST. ALOYSIUS (AUTO) COLLEGE, JABALPUR
DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE
VEDIC MATHEMATICS

Time: 2 hours

Maximum Marks: 100

Minimum Marks: 40

MODULE I – Multiplication

1. Ekadhikenpurven method (multiplication of two numbers of two digits)
2. Eknunenpurven method (multiplication of two numbers of three digits)
3. Urdhvatiragbhyam method (multiplication of two numbers of three digits)
4. Nikhilam Navtashchramam Dashtaha (multiplication of two numbers of three digits)
5. Combined Operations

MODULE II – Division and Divisibility

Part A: Division

1. Nikhilam Navtashchramam Dashtaha (two digits divisor)
2. Paravartya Yojyet method (three digits divisor)

Part B: Divisibility

1. Ekadhikenpurven method (two digits divisor)
2. Eknunenpurven method (two digits divisor)

MODULE III – Power and Root

Power: (i) Square (two digit numbers), (ii) Cube (two digit numbers).

Root: (i) Square root (four digit number) (ii) Cube root (six digit numbers)

REFERENCES:-

1. Vedic Mathematics, *Motilal Banarsi Das, New Delhi.*
2. Vedic Ganita: Vihangama Drishti-1, *Siksha Sanskriti Uthana Nyasa, New Delhi.*
3. Vedic Ganita Praneta, *Siksha Sanskriti Uthana Nyasa, New Delhi.*
4. Vedic Mathematics: Past, Present and Future, *Siksha Sanskriti Uthana Nyasa, New Delhi.*

M. P. M.

M. P.

A. P.

R. P.

P. P.

J. P.

S. P.

Wandus
26/7/24