

CAREER DEVELOPMENT CENTRE



Date: 22/08/2022

NOTICE- Academic Year (2022-23)

VEDIC MATHEMATICS


VAT: 22

All the students of School of Physical Sciences & School of Liberal Arts and Management are hereby informed that a workshop on “Vedic Mathematics” is scheduled from 1st September 2022 in Vish-101- Seminar Hall.

The details are as follows:

COURSE	SoPS & SoLAM
TIMINGS	4 PM-5 PM(Monday to Friday)
COURSE DURATION	32 Hours
ORGANISING DEPARTMENT	Career Development Centre

Objective: To become proficient in mental calculation and Numerical Ability.


Career Services Cell
DIT University Dehradun
(In charge- CDC)

To:

All Dean / Director / Head of Department

Chairman

Chancellor

Vice Chancellor

Pro Vice Chancellor

Manager Admin

HR Department

} For information please



VEDIC MATHEMATICS VAT: 22

The Vedic Mathematics training was conducted for students of SoPS & SoLAM , the venue for the training was DIT University **Vishweshwara-101 Seminar hall**, and the targeted students for the training were those who had to be skilled for fast calculation in their domain, it was conducted by the Career Development Centre, the main trainer for the training was **Mr. Vibhor Sharma (Aptitude Trainer- CDC)** . Duration of the course was 32 hrs. (1st September 2022 to 28th September 2022)

Objective:

Vedic Math can be considered as a new and emerging sector in India. Vedic math is all set to become popular and a boon for students. The future and scope of Vedic Math is very wide and given time it will only shine bright. CDC (Career Development Cell) is organizing a 5 days' workshop on Vedic Mathematics. Find the details below:

Course Schedule:

Branch/Year	SoPS & SoLAM
Organizer Department	Career Development Centre
Date	1 st September to 28 th September 2022
Course Duration	30 Hours
Timings	4:00 – 5:00 PM
Venue	Vish-101-Seminar Hall
Course Coordinator	Mr. Vibhor Sharma
Coordinator contact Id	aptitude.trainer2@dituniversity.edu.in

Description:

Vedic Mathematics is the name given to the ancient system of Indian Mathematics which was

rediscovered from the Vedas between 1911 and 1918 by Sri Bharati Krsna Tirthaji (1884-1960). According to his research all of mathematics is based on sixteen Sutras, or word-formulae. The Vedic Math course is sought after in the academic circuit and has been made after the author's long experience of teaching over 4 million students in the subject across the globe.

Can you multiply 998 x 997 in five seconds?

Learn High Speed Vedic Mathematics which will enable you to calculate much faster compared to the conventional system. You will be able to do seemingly difficult calculations like 998 x 997 in split seconds which will make a remarkable difference to your confidence and self esteem. Your calculation skills will improve, you will be able to perform better and you will exuberate confidence which will blow people away.

The scope of the area which Vedic Mathematics covers is much larger than the other systems. Through Vedic Math you can do calculations in Arithmetic, Algebra and even Trigonometry for that matter and simplify and speed up calculations.

Training Outcome:-

- You will be learning how to speed up Multiplication, Division, Addition, Subtraction, How to find squares in less than 5 seconds, Cubes, find Cube Roots in 3 seconds flat, Find Square Roots, Sharpen your skills of Algebraic Equations and do it mentally, Learn Divisibility rules for every number in the number system, Speed up concepts of Geometry, Find out Divisibility rules for every number in the number system, Calendars and much more. This system will change your paradigm about mathematics and you will be able to enjoy it more than you ever did.
- By the end of each topic you will have a better understanding of the Mental Math Method being explained.
- You will be able to calculate 10-15 times faster than before!
- Develop your left and the right side of the brain by increasing the visualization and concentration abilities.

- Have Fun with Math! Get rid of your Math Phobia.
- Become a Human Calculator yourself!

Who should opt the training?

- Math Teachers + Working Professionals
- Student across all the program, who want to improve their calculation skills
- Entrepreneurs
- Math Enthusiasts

Course Outline:

1. HOLISTIC MATHS

Course overview, history of our number system. 10-point circle,
Completing 10s, addition. Mental addition from left to right

2. COMPLETING THE WHOLE

Early history of VM. Looking for 10s in addition,
including adding columns
Using addition and subtraction together

3. DOUBLING AND HALVING

Number splitting: doubling and repeated doubling.
Math's teaching. Halving and repeated halving

4. CREATIVE MATHS

Improvising and extending the multiplication tables
Multiplying and Dividing by 5, 50, 25

5. A MAGIC NUMBER

Digit sums, 9-point circle, casting out nines. Digit sum puzzles and divisibility by 3,9,6,15

6. CHECKING IT OUT

Checking with digit sums. Checking with first and last figures / Vedic Square

7. THE INVISIBLE NUMBER

Calculating left to right. Doubling & halving / Finger maths

8. SUBTRACTION

Recent history. Subtraction-left to right. Checking subtractions

9. EXPLAINING VEDIC MATHS

Questions on Vedic Maths. Combining/comparing fractions

10. ALL FROM 9 AND THE LAST FROM 10

Subtraction. Bar numbers

11. THE POWER OF NEGATIVE THINKING

Using bar numbers for subtraction. Number splitting

12. ANOTHER MAGIC NUMBER

Multiplication by 11. Divisibility by 11 and a 'digit sum' check

13. COHERENT MATHS

General multiplication and reverse. Algebraic multiplication and its reverse

14. MATHEMAGICS

Multiplying numbers near 100. Proofs

15. NUMBER PATTERNS

Using Proportion to extend base multiplication

Multiplying near base 10, and multiples of 10

16. THINK OF A NUMBER

Use of transposition in solving word puzzles. Solving equations

17. SPECIAL AND GENERAL

Some special multiplication devices

18. SPECIAL DIVISION

Dividing by 9, 8, 11 etc. Algebraic division

19. NATURAL MATHS

The Sutras. Calculating areas. Temperature conversions. Spotting the obvious

20. DEMONSTRATIONS

Advice on structuring a talk

21. GENERAL MULTIPLICATION

Extending the Vertically and Crosswise method

22. SQUARES AND ROOTS

Squaring 2-figure numbers and binomials. Square root of a perfect square

23. TRIPLES

Triple notation and addition. Rotations with triples

24. GENERAL SQUARING

The duplex, Squaring numbers of any size. Algebraic squaring

25. THE CROWNING GEM

Straight division. How to choose your remainder. Decimalizing the remainder

26. STRAIGHT DIVISION

Extending straight division to 3-figure divisors. Negative flag digits. Changing the numbers. Two figures or more on the flag

27. MASSIVE MULTIPLICATIONS

Multiplying numbers near high bases. Squaring near a base

Multiplying numbers near different bases

28. COORDINATE GEOMETRY

Equation of a line through two given points. Equation of a line through a given point and parallel or perpendicular to a given line

29. SQUARE ROOTS

The general method

30. CALCULUS

Solving quadratic equations by two methods. Comparison of some

Vedic and conventional methods

31. RECURRING DECIMALS

From left to right and from right to left

32. SPECIAL NUMBERS

An easy kind of multiplication and special numbers

Their application in making recurring decimals easier

33. DIVISIBILITY

The osculation process

34. TRIPLE GEOMETRY

Triple subtraction and applications

35. LEFT TO RIGHT

Written calculations from left to right

36. COMBINING CALCULATIONS / THE VALUE OF pi

Calculating from the left. Sanskrit and Pi

Training Outcome-

How High Speed Vedic Math can help you:

- You would be learning how to speed up calculations which are stumbling blocks in mathematics. These concepts will help you in your studies for the university examinations and also for the entrance examinations you will be facing in your life.
- Eradicates fear of Math completely. So if you have Math-Phobia High Speed Vedic Math is a Fun-Filled way to do Math and arises interest.
- Sharpens your mind, increases mental agility and intelligence.
- Increases your speed and accuracy. Become a Mental Calculator yourself.
- Improves memory and boosts self-confidence.
- Cultivates an Interest in you for numbers.
- Develops your left and right sides of your brain hence using intuition and innovation. It has been noted that Geniuses have been using the right side of the brain to achieve exceptional results.

Value added course Details (Academic Year: 2022-23)

VAT Course Name: Vedic Mathematics

VAT Code: VAT 22

Duration in Hours: 32

Number of Students Enrolled: 120

Number of Students Completed: 115

Grades:


G= GOOD ; S = Satisfactory ; P = Poor ; W = Withdraw

Student ID	Student Name	Program/Course	Passing Grade
191148017	RIYA GUPTA	Bachelor of Arts(Hons) in Psychology	G
191074018	AKSHAT KUKSHAL	Bachelor of Science (Hons)in Physics	S
201074012	ABHISHEK KUMAR JHA	Bachelor of Science (Hons)in Physics	S
201172008	VANSHIKA MAHAJAN	Bachelor of Arts(Hons) in Economics	S
201172006	RIYA ARORA	Bachelor of Arts(Hons) in Economics	G
201073012	KUSHAGRA SANWAL	Bachelor of Science (Hons)in Maths	G
201148006	DHOLARIYA BHUMI PRAKASHBHAI	Bachelor of Arts(Hons) in Psychology	G
201074010	KANKSHI DODIA	Bachelor of Science (Hons)in Physics	G
201149009	PALAK JHA	Bachelor of Arts (Hons)in English	P
201148008	SANAM PREET KAUR	Bachelor of Arts(Hons) in Psychology	S
201073010	PRASOON PANDEY	Bachelor of Science (Hons)in Maths	S
201073013	LUBHNA UNIYAL	Bachelor of Science (Hons)in Maths	G
201074011	NAVDEEP HANDA	Bachelor of Science (Hons)in Physics	G
201073014	AMIT JOSHI	Bachelor of Science (Hons)in Maths	G
201148009	PREETI BUTOLA	Bachelor of Arts(Hons) in Psychology	G
201149008	SANJIVANI SINGH	Bachelor of Arts (Hons)in English	S
201148007	SHIKHAR SINGH	Bachelor of Arts(Hons) in Psychology	S
201073015	TANISHA MITTAL	Bachelor of Science (Hons)in Maths	S
201075007	AAKRITI BHATT	Bachelor of Science (Hons) in Chemistry	G
201074005	ARUSHI BALI	Bachelor of Science (Hons)in Physics	G
201172004	ANANYA KHARKWAL	Bachelor of Arts(Hons) in Economics	G
201074006	ANKIT KUMAR	Bachelor of Science (Hons)in Physics	G
201074009	KANAK	Bachelor of Science (Hons)in Physics	S
201148002	SHIMMER SHIMMER	Bachelor of Arts(Hons) in Psychology	S
201149005	ADITI KANDWAL	Bachelor of Arts (Hons)in English	S
201148003	VIDUSHI SINGH CHAUHAN	Bachelor of Arts(Hons) in Psychology	G
201149003	DEVANSHI SINGH	Bachelor of Arts (Hons)in English	G
201172005	SRASHTI GARG	Bachelor of Arts(Hons) in Economics	G
201075006	TUSHAR AGGARWAL	Bachelor of Science (Hons) in Chemistry	G
201172007	SHIKHA BHANDARI	Bachelor of Arts(Hons) in Economics	S
201073007	ASHIS MEDHI	Bachelor of Science (Hons)in Maths	S
201073008	VISHRUTI BHATT	Bachelor of Science (Hons)in Maths	S
201073006	DEEPIKA	Bachelor of Science (Hons)in Maths	G
201149007	APOORVA SINGH	Bachelor of Arts (Hons)in English	G
201148004	PRANSHUL NEGI	Bachelor of Arts(Hons) in Psychology	G
201073009	DIVYANSH CHAUHAN	Bachelor of Science (Hons)in Maths	G
201075005	ARYAN GUPTA	Bachelor of Science (Hons) in Chemistry	S
201075003	KASHISH BARTWAL	Bachelor of Science (Hons) in Chemistry	S
201149006	ROSEY SINGH	Bachelor of Arts (Hons)in English	S
201149012	SRISHTI RAWAT	Bachelor of Arts (Hons)in English	G
201148020	ALIYA QURESHI	Bachelor of Arts(Hons) in Psychology	G
201075001	MANAN KUMAR PANT	Bachelor of Science (Hons) in Chemistry	G



201074008	UJJAWAL SAH	Bachelor of Science (Hons)in Physics	G
201073001	VAIBHAV SHARMA	Bachelor of Science (Hons)in Maths	S
201074001	ASHWANI PANWAR	Bachelor of Science (Hons)in Physics	S
201172001	GUNJAN RAWAT	Bachelor of Arts(Hons) in Economics	S
201172002	NEHA VARSHNEY	Bachelor of Arts(Hons) in Economics	G
201148017	RUDRAKSHI KANDWAL	Bachelor of Arts(Hons) in Psychology	G
201073004	SIDDHANT SINGH	Bachelor of Science (Hons)in Maths	G
201148001	TANU CHIB	Bachelor of Arts(Hons) in Psychology	G
201073005	SURYANSH GUPTA	Bachelor of Science (Hons)in Maths	S
201075002	NEHA ARYA	Bachelor of Science (Hons) in Chemistry	S
201074002	PRINCE CHOUDHARY	Bachelor of Science (Hons)in Physics	S
201074003	ADITYA SINGH KARKI	Bachelor of Science (Hons)in Physics	G
201075009	RIYA	Bachelor of Science (Hons) in Chemistry	G
201073002	ANJALI NAYAL	Bachelor of Science (Hons)in Maths	G
201075004	CHERRY SINGH	Bachelor of Science (Hons) in Chemistry	G
201172003	YOGRAJ SINGH PARMAR	Bachelor of Arts(Hons) in Economics	S
201148012	NAMRATA KHATRI	Bachelor of Arts(Hons) in Psychology	S
201148010	MAHIKA KAJAL	Bachelor of Arts(Hons) in Psychology	S
201073003	SRISHTI BAHUGUNA	Bachelor of Science (Hons)in Maths	G
201074016	SONALI KARKI	Bachelor of Science (Hons)in Physics	G
201074015	SWETA BORA	Bachelor of Science (Hons)in Physics	G
201073020	ADARSH AMIT OJHA	Bachelor of Science (Hons)in Maths	P
201148022	MEGHNA RATRA	Bachelor of Arts(Hons) in Psychology	S
201073016	ARYAN RAGHUVANSHI	Bachelor of Science (Hons)in Maths	S
201148018	ANISHA RAJPUROHIT	Bachelor of Arts(Hons) in Psychology	S
201075011	ANISHA KHATRI	Bachelor of Science (Hons) in Chemistry	G
201074013	DEV DUTT SHARMA	Bachelor of Science (Hons)in Physics	G
201149001	MAYA RAM	Bachelor of Arts (Hons)in English	G
201075010	SUSHANT VERMA	Bachelor of Science (Hons) in Chemistry	G
201149010	SONIYA PANWAR	Bachelor of Arts (Hons)in English	S
201074014	RAHUL PANWAR	Bachelor of Science (Hons)in Physics	S
201148015	RAHUL PANDEY	Bachelor of Arts(Hons) in Psychology	S
201148011	MANSI	Bachelor of Arts(Hons) in Psychology	G
201074021	SHIVAM TIWARI	Bachelor of Science (Hons)in Physics	P
201148016	PRIYANKA BHATT	Bachelor of Arts(Hons) in Psychology	G
201073019	HARSHIT ARYA	Bachelor of Science (Hons)in Maths	G
201073021	MAYANK WALIA	Bachelor of Science (Hons)in Maths	S
201074017	STUTI KARTIKEY TRIVEDI	Bachelor of Science (Hons)in Physics	S
201149011	KRITIKA RAWAT	Bachelor of Arts (Hons)in English	S
201073018	PRINCE DHIMAN	Bachelor of Science (Hons)in Maths	G
201149013	SACHIN SINGH PANGTEY	Bachelor of Arts (Hons)in English	G
201149016	GUNEET SINGH	Bachelor of Arts (Hons)in English	G
201074018	KUSHAGRA SAXENA	Bachelor of Science (Hons)in Physics	G
201148019	NEHA RAJ RANA	Bachelor of Arts(Hons) in Psychology	S
201073028	ASHISH KUMAR	Bachelor of Science (Hons)in Maths	S
201149022	LABHANSHI DIWAKER	Bachelor of Arts (Hons)in English	S
201075014	ANJALI JUYAL	Bachelor of Science (Hons) in Chemistry	G
201149014	SUNNY B JOSEPH	Bachelor of Arts (Hons)in English	G
201148029	RAKESH RAWAT	Bachelor of Arts(Hons) in Psychology	G
201074020	RITWIK RAWAT	Bachelor of Science (Hons)in Physics	G
201075015	MALLIKA	Bachelor of Science (Hons) in Chemistry	S
201172010	ANUSHA SAXENA	Bachelor of Arts(Hons) in Economics	S
201073031	SHIFALI SINGH	Bachelor of Science (Hons)in Maths	S
201073024	YASH YADAV	Bachelor of Science (Hons)in Maths	G
201172011	AKHIL UNIYAL	Bachelor of Arts(Hons) in Economics	G
201074019	HIMANSHU CHAURASIA	Bachelor of Science (Hons)in Physics	G
201073022	RIYA JOSHI	Bachelor of Science (Hons)in Maths	G
201073025	KIRAN KANWAR	Bachelor of Science (Hons)in Maths	S

201148024	AMISHA RANA	Bachelor of Arts(Hons) in Psychology	S
201073023	ROHIT RANJAN	Bachelor of Science (Hons)in Maths	P
201148021	ESHIKA SHARMA	Bachelor of Arts(Hons) in Psychology	G
201148023	PRIYANKA	Bachelor of Arts(Hons) in Psychology	G
201073026	SHIVANI KUMARI	Bachelor of Science (Hons)in Maths	G
201073029	ARTI	Bachelor of Science (Hons)in Maths	G
201148026	ARPITA SINGH	Bachelor of Arts(Hons) in Psychology	S
201073030	RITIK RATURI	Bachelor of Science (Hons)in Maths	S
201148025	ANOUSHKA DUTT THAPLIYAL	Bachelor of Arts(Hons) in Psychology	S
201148027	TANUSHREE SAH	Bachelor of Arts(Hons) in Psychology	G
201172012	ABHISHEK KUMAR	Bachelor of Arts(Hons) in Economics	G
201148028	GYANESHWAR SHARMA	Bachelor of Arts(Hons) in Psychology	G
201149018	SHOBIT CHHETRI	Bachelor of Arts (Hons)in English	G
201149017	KHUSHI RANA	Bachelor of Arts (Hons)in English	P
201148030	MEHKASH NAAZ	Bachelor of Arts(Hons) in Psychology	S
201075016	DHARA BISHT	Bachelor of Science (Hons) in Chemistry	S
201148031	HEMANT SINGH PUSHKAR	Bachelor of Arts(Hons) in Psychology	G
201172013	MD AAFREED ASHRAFI	Bachelor of Arts(Hons) in Economics	G
201149020	SOUMYA SAHAY	Bachelor of Arts (Hons)in English	G
201149021	AKANKSHA MAKHLOGA	Bachelor of Arts (Hons)in English	G


 Career Services Cell
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