Course Coordinator Report

Course Name: Vedic Mathematics

A free Add-On Course for PG students in the Department of Mathematics Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur was held from 13th Feb. 2024 to 16th April 2024. The course title was "Vedic Mathematics". Vedic maths is a system of mathematics that was discovered by an Indian mathematician, Jagadguru Shri Bharathi Krishna Tirthaji during A.D. 1911 and 1918. He printed his findings in a Vedic Mathematics book – Tirthaji Maharaj. Vedic mathematics is also called mental mathematics in the mathematical world. The brain's capacity and speed of calculations increases fivefold with the practice of Vedic maths. This Course was perfect for anyone who wants to learn fast calculation.

Vedic Maths or **Vedic Mathematics** is a collection of Methods or Sutras to solve numerical computations quickly and faster. It consists of 16 Sutras called Formulae and 13 sub-sutras called Sub Formulae, which can be applied to the solving of problems in arithmetic, algebra, geometry, calculus, conics, etc. All the sutras and sub sutras of Vedic maths help to perform mathematical operations quickly and accurately.

The course duration was 10 weeks (30 hours). Three theory classes were engaged on Monday, Tuesday & Wednesday in every week. The structure of marking system was 100 marks on theory paper. The question paper of theory examination was in MCQ type of 50 questions with four multiple choices. All the 15 students were present in theory examination. The result was prepared and certificates were also distributed to the students.

Dr. Vidhya T. Chauhan

Course Coordinator

To,
The Principal
SSES Amt's Science College,
Congress Nagar, Nagpur – 12.

Subject: Permission to conduct the add on course in the Department of Mathematics during the Session 2023-2024.

Respected Sir,

This is to request you that, we wish to conduct the 30 hours Certificate course on Vedic Mathematics for the students of M. Sc. Mathematics for the session 2023-2024.

The detail of the course module, syllabus and time-table is submitted herewith. Hence, please permit to run the same and oblige me.

Thanking you,

Date: 5/7/2023

Yours' Sincerely,

Dr. Kalpana N. Pawar
Prof & Head Department of Mathematics
Shivaji Science College, Nagpur

Permitted

SHRI SHIVAJI EDUCATION SOCIETY, AMRAVATI'S

SHRI SHIVAJI SCIENCE COLLEGE, NAGPUR

Date: 01/02/2024

NOTICE

All the students of M.Sc. (Mathematics) are hereby informed that the Department of Mathematics is going to start the "Certificate Course in Vedic Mathematics" from 13th Feb - 16th April 2024.

So, the interested students should register their name for this course in the department of Mathematics. The Schedule is as follows.

Registration starts on: 02/02/24 (11:00 am to 4:00 pm)

Registration end on: 09/02/24 (4:00 pm)

Venue of registration: Department of Mathematics

Dr. Vidhya T. Chauhan

Coordinator



Shri Shivaji Education Society, Amravati's SCIENCE COLLEGE

Congress Nagar, Nagpur-12 (M.S.), India

Mentor College under 'PARAMARSH Scheme', UGC, New Delhi A College with Potential for Excellence Member of APQN, Accredited with CGPA of 3.51 at 'A+' grade Recognized Centre for Higher Learning



Department of Mathematics Organizes Add on Course for Mathematics

Vedic Mathematics

13th Feb. - 16th April 2024

Coordinator

Dr. V. T. Chauhan

Department of Mathematics

Head

Prof. K. N. Pawar Head of Department

Chairman

Principal, SSESA's Science Prof. M. P. Dhore College, Congress Nagar, Nagpur

CERTIFICATE COURSE IN VEDIC MATHEMATICS

Duration: 13thFebruary -16thApril 2024 for the session 2023-24

Department of Mathematics

SSES Amravati's Science College, Congress Nagar, Nagpur

About the Course:

Vedic mathematics is a system of reasoning and mathematical working based on the ancient Indian teachings called Veda. It is fast, efficient and easy to learn and use. Vedic mathematics which simplifies arithmetic and algebraic operations has increasingly found acceptance the world over. There is a race against time in all the competitions. Only those people having fast calculation ability will be able to win the race. Time saved can be used to solve more problems or used for difficult problems. This course is conducted for developing the fast, efficient and easy to learn and use problem solving skills of the students. It will be beneficial for the students in this scientific technological and modern society. Students will easily do the mathematical calculations and qualify the competitive exams and will get the best job and status in the society. It will increase their confidenceand will be able to get employment.

Objectives:

- > To enhance the fast calculation ability Skill in Mathematics
- To develop positive attitude towards Mathematics
- > To enrich self confidence among students
- To qualify students to work globally.

Course Outcome:

- > It helps person to solve mathematical problems 10-15 times faster
- > It helps mathematical intelligent guessing
- > It reduces burden (need to learn tables up to 9 only)
- It is a magical tool to reduce scratch work and finger counting
- It increases concentration
- > It helps in reducing silly mistakes.

Faculty: The classes are delivered by the expert faculties Dr. V. T. Chauhan, Prof. K. N. Pawar

Duration of the Course: 30 hrs.

No. of times offered in a year: Once

Fees:Free

Certification: All successful students shall be awarded by a certificate.

Dr. V. T. Chauhan Assistant Professor

Coordinator

Prof. M. P. Dhore Shivaji Science College, Congress Nagar, Nagpur

Principal

Syllabus:

| UNITS | TOPICS | HOURS |
|--------|---|-------|
| Unit 1 | (i)Addition - Subtraction - Combined operations - Beejank (ii) Multiplication methods: Urdhwatiryagbhayam, Nikhilam, Ekanyunen, Ekadhiken, Antyayordashakepi. (iii) Vinculum - Operations. (iv) Awareness of 1 to 5 Vedic sutras as per Shankaracharya Bharthikrishan Teerthji Swamiji's book. | 8 |
| Unit 2 | (i) Division methods: Nikhilam, Paravartya Yojayet, Dhwajank (ii) GCD and LCM (iii) Expression of GCD in terms of two numbers. | 8 |
| Unit 3 | (i) Divisibility tests, Osculation & Reverse osculation. (ii) Division Algorithm, Quotient & Remainder. (iii) Duplex method. | 7 |
| Unit 4 | (i) Squares & Square-roots for 6 digit number. (ii) Cubes & Cube-roots for 6 digit number, Contribution of Indian Mathematicians in Arithmetic. | 7 |

TOTAL: 30 Hrs

Course Coordinator

Maddle . IQAC Coordinator
Internal Quality Assurance Cell
(IQAC)
S. S. E. S. A. Science College
Congress Nagar, Nagpur.

Principal

Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur Department of Mathematics Add-on Course

Teaching Plan

Title: "Vedic Mathematics"

| Week | Hours | Topics |
|---------|-------|--|
| Week 1 | 3 | (i)Addition - Subtraction - Combined operations - Beejank |
| Week 2 | 3 | (ii) Multiplication methods: Urdhwatiryagbhayam, Nikhilam, Ekanyunen, Ekadhiken, Antyayordashakepi. Swamiji's book. |
| Week 3 | 3 | (iii) Vinculum - Operations. (iv) Awareness of 1 to 5 Vedic sutras as per Shankaracharya Bharthikrishan Teerthji |
| Week 4 | 3 | (i) Division methods: Nikhilam, Paravartya Yojayet, Dhwajank |
| Week 5 | 3 | (ii) GCD and LCM |
| Week 6 | 3 | (iii) Expression of GCD in terms of two numbers. |
| Week 7 | 3 | (i) Divisibility tests, Osculation & Reverse osculation. |
| Week 8 | 3 | (ii) Division Algorithm, Quotient & Remainder. |
| Week 9 | 3 | (iii) Duplex method. |
| Week 10 | 3 | (i) Squares & Square-roots for 6 digit number. |
| | | (ii) Cubes & Cube-roots for 6 digit number, Contribution of Indian |
| | | Mathematicians in Arithmetic. |

Mauhan.

Course Coordinator

TIME TABLE

Certificate Course in "Vedic Mathematics"

| Day | Name of Teacher | Theory | Time |
|-----|-------------------|-------------|---------------|
| Mon | Dr. V. T. Chauhan | Theory (B1) | 2:00pm-3:00pm |
| Tue | Dr. v. 1. Chaunan | Theory (B1) | 2:00pm-3:00pm |
| Wen | Dr. K. N. Pawar | Theory (B1) | 2:00pm-3:00pm |

SHRI SHIVAJI EDUCATION SOCIETY, AMRAVATI'S SHRI SHIVAJI SCIENCE COLLEGE, NAGPUR

Academic Session: 2023-24

DEPARTMENT OF MATHEMATICS

List of students for the Certificate Course in VEDIC MATHEMATICS

| S.N. | Name of Students | Class | Date of Registration | Signature |
|------|-----------------------------|---------|----------------------|-----------|
| 1. | Harsh P. Kukde | M.Sc.I | 02/02/24 | H. kulede |
| 2. | Himanshu P. Badwaik | M.Sc.I | 02/02/24 | A Budwas |
| 3. | Ku. Khushi R. Yadav | M.Sc.I | 02/02/24 | gradav |
| 4. | Mangesh Shingane | M.Sc.I | 03/02/24 | Burge |
| 5. | Poonam S. Kulmethe | M.Sc.I | 03/02/24 | Pkulmet |
| 6. | Prerana W. Gharde | M.Sc.I | 03/02/24 | Rhale |
| 7. | Roshan N. khandare | M.Sc.I | 03/02/24 | R. Kar |
| 8. | Sangita R. Chaudhari | M.Sc.I | 03/02/24 | Sangita |
| 9. | Vaishanavi D. Barade | M.Sc.I | 05/02/24 | Darde |
| 10. | Abhishek Yadav | M.Sc.II | 05/02/24 | Ayadar. |
| 11. | Trupti Akhare | M.Sc.II | 07/02/24 | There |
| 12. | Gunjan Shivprakash Sharma | M.Sc.II | 07/02/24 | GSharme |
| 13. | Prachi HarichandraMeharkule | M.Sc.II | 08/02/24 | Pradri |
| 14. | Priti Dinesh Patle | M.Sc.II | 08/02/24 | Pelle_ |
| 15. | Priya BimalkumarMaity | M.Sc.II | 08/02/24 | Praity. |

Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur M.Sc. I and M.Sc. II (Vedic Mathematics) Attendance Sheet(Session 2023-24)

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| | <u>.</u> | - | 12 | | 18 | 4 | 5 VMS2405 Ku | 19 | | 8 | 2 | 9 | | 2 | 57 | 4 | 15 VMS2415 KII |
| | Roll. No. | | 1 VMS2401 | 2 VMS2402 | 3 VMS2403 | 4 VMS2404 | 1240 | 6 VMS2406 | 7 VMS2407 | 3240 | 3240 | ,241 | 324 | 324 | 3241 | 324 | TC |
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Dr. V. T. Chauhan

Head of Department

Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

ADD-ON COURSE EXAMINATION (2023-2024)

Certificate Course: Certificate Course in Vedic Mathematics"

NOTICE

Date: 15/05/2024

All the registered students of the add-on Course on "Certificate Course in Vedic Mathematics", under the Department of Mathematics for the session 2023-24 are hereby informed that the Theory examination is to be scheduled on 28/05/2024 (Tuesday) from 10:00 am to 11:00 am in C10 at our college centre. All Students should be present in classroom 10 minutes before of the scheduled time of examination. List of students along with roll no. is given as below:

Dr. V. T. Chauhan Course Coordinator Department of Mathematics

Shri Shivaji Education Society Amravati's Science College Congress Nagar Nagpur

Department of Mathematics

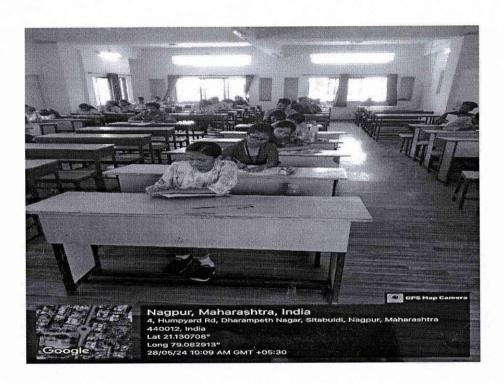
Add-on course

Exam Attendance Sheet

Title: "Certificate Course in Vedic Mathematics" Course Coordinator: Dr. V. T. Chauhan

| S.N. | Roll. No. | Name of Students | Signature |
|------|-----------|-----------------------------|------------|
| 1. | VMS2401 | Abhishek Yadav | Ayadav. |
| 2. | VMS2402 | Gunjan Shivprakash Sharma | Gsharma. |
| 3. | VMS2403 | Harsh P. Kukde | H. kukde |
| 4. | VMS2404 | Himanshu P. Badwaik | (y b) went |
| 5. | VMS2405 | Ku. Khushi R. Yadav | gadar |
| 6. | VMS2406 | Mangesh Shingane | Pleutmeth. |
| 7. | VMS2407 | Poonam S. Kulmethe | 208 |
| 8. | VMS2408 | Prachi HarichandraMeharkule | Porachi |
| 9. | VMS2409 | Prerana W. Gharde | g-wb |
| 10. | VMS2410 | Priti Dinesh Patle | Precity |
| 11. | VMS2411 | Priya BimalkumarMaity | Patte_ |
| 12. | VMS2412 | Roshan N. khandare | R. Ka |
| 13. | VMS2413 | Sangita R. Chaudhari | Sangita |
| 14. | VMS2414 | Trupti Akhare | Ahare. |
| 15. | VMS2415 | Vaishanavi D. Barade | DB crade |

(Dr. V. T. Chauhan)



SHRI SHIVAJI EDUCATION SOCIETY, AMRAVATI'SSHIVAJI SCIENCE COLLEGE, NAGPUR **Academic Session: 2023-24 DEPARTMENT OF MATHEMATICS**

Theory Exam

Time: OneHour]

[Maximum Marks: 100

Note: i) Solve All questions.

C. 3

ii) All Questions carry two marks.
iii) Tick the correct option.

D.4

| iii) Tick the | correct option. | |
|----------------------------|-----------------|--|
| Solve the following o | questions. | |
| 1. 93 * 86 | | |
| A. 8098 | B. 9098 | |
| C. 7998 | D. 9808 | |
| 2. 87 * 93 | | |
| A. 9801 | B. 9201 | |
| C. 8091 | D. 8291 | |
| 3. Find the square of | 55 | |
| A. 2525 | В. 2925 | |
| C. 3025 | D. 3125 | |
| 4.Find the square of | 107 | |
| A. 11449 | B. 11249 | |
| C. 11439 | D. 11349 | |
| 5.Find remainder of | 25543 ÷ 41 | |
| A. 0 | B. 2 | |
| C. 3 | D.4 | |
| 6.Find remainder of | 22608 ÷ 16 | |
| A. 2 | B. 0 | |

| 7.Find remainder of 63 | 25 by 25. | | | | |
|--|---------------------------------------|---|---|--|--|
| A. 2 | В. О | | | | |
| C. 3 | D. 4 | | | | |
| 8. Ekadhik of 12 (i.e. 12 | = ?) | | | | |
| A. 12 | B. 14 | | | | |
| C. 13 | D. 11 | | | | |
| 9.Find remainder of 01 | 10 1100 ÷ 11 | | | | |
| A. 10 | B. 0 | | | | |
| C. 11 | D. 100 | | • , • | | |
| 10. Determine the grea | test common di | visor of 12 and 26. | | | |
| A. 2 | В. О | | | | |
| C. 3 | D. 4 | | | | |
| 11. Write the full form | of GCD? | | | | |
| A. Greatest Common Divisor | | | B. Greatest Common Dividend C. D. Greatest Common Divisor | | |
| 12. Write the formula f | or GCD? | | | | |
| A. GCD (a, b) = $a + b / LC$ | CM (a, b) | B. GCD (a, b) = a × | b /LCM (a, b) | | |
| C. GCD (a, b) = a / b XLC | M (a, b) | D. GCD $(a, b) = a + b \times LCM (a, b)$ | | | |
| 13. Which of the follow A. LCM C. GCF | ing is not anoth B. GCM D. HCF | er name for GCD (G | reatest Common Divisor)? | | |
| 14. What is the GCD of | 8 and 12? | | | | |
| A. 8 C. 2 | B. 12 D. 4 | | | | |
| 15. If GCD of two numb A. 24 C. 3 | ers is 8 and LCN B.2 D.16 | /I is 144, then what | is the second number if first number is 72? | | |
| 16. Write Vinculum Nui A. 2334 C. 2335 | mbers of 2345 t B. 2337 D. 2388 | o normal numbers. | | | |

17. Write Vinculum Numbers of 2354 to normal numbers. B. 2254 A. 2354 C. 2335 D. d) 2388 18. Write Vinculum Numbers of $28\overline{73}$ to normal numbers. A. 2335 B. 2285 C. 2335 D. 2727 19. Find cube of 16? A. 4096 B. 4097 C. 2335 D. 2727 20. Which term is used in terms for squaring and multiplication, denoted as D. A. Duplex combination B. Dwanda yoga C. Nikhilam D. Ekadhiken 21. Write formula for d(a) = ? A. d(a) = a*2B. $d(a) = a^4$ C. $d(a) = 2a^3$ D. $d(a) = a^2$ 22. Write formula for d(abc) =? A. $d(abc) = a2ac + b^2$ B. $d(abc) = a^4$ C. $d(abc) = 2a^3$ D. $d(abc) = a^2 + 2ac + b^2$ 23. Write formula for d(abcd) = ? A. $d(abcd) = a2ac + b^2$ B. d(abcd) = 2ad + 2bc $C_{.} = 2ae + 2bd + c^{2}$ D. $d(abcd) = a^2 + 2ac + b^2$ 24. Write formula for d(abcde) = ? A. $d(abcde) = a2ac + b^2$ B. d(abcde) = 2ad + 2bcC. $d(abcde) = 2ae + 2bd + c^2$ D. $d(abcde) = a^2 + 2ac + b^2$ 25. Write formula for d(ab) = ? A. d(ab) = a*2B. $d(ab) = a^2$ C. $d(ab) = 2a^3$ D. d(ab) = 2ab26. The various methods used for division are: A. Vilokanam sutra B. Nikhilam sutra C. Paravartya sutra D. All the above 27. Complement of number 7 is A. 14 B. -7 C. 3 D. 10

28. The Sutra Ekādhikena Pūrvena means:

A. By one more than the previous one B. By one less than the previous one

D. By two more than the previous one B. By two less than the previous one

| A. Top to Down C. Right to Left D. None of them 30. Find the square of 112 A. 11244 B. 12544 C. 13544 D. 14544 31. 494*496 A. 245024 C. 245022 B. 245021 32. What is the degree of the polynomial v3? A. 0 B. 1/2 C. 2 D. 3 33. Put into bar number form 27. A. 33 C. 33 B. 30 C. 33 B. 494 B. 433 C. 41 B. 30 B. 433 C. 41 B. 434 B. 435 B. |
|--|
| A. 11244 C. 13544 D. 14544 31. 494*496 A. 245024 B. 245025 C. 245022 D. 245021 32. What is the degree of the polynomial v3? A. 0 B. 1/2 C. 2 D. 3 33. Put into bar number form 27. A. 3\overline{3} C. \overline{3} B. \overline{4} B. \overline{3} B. \overline{3} B. \overline{3} B. \overline{4} B. \ove |
| C. 13544 D. 14544 31. 494*496 A. 245024 B. 245025 C. 245022 D. 245021 32. What is the degree of the polynomial v3? A. 0 B. 1/2 C. 2 D. 3 33. Put into bar number form 27. A. 33 B. 30 C. 33 B. 30 C. 33 B. 30 D. 33 34. Put into bar number form 39. A. 39 B. 43 C. 41 B. 43 D. 41 35. Put into bar number form 499 A. 501 B. 501 |
| 31. 494*496 A. 245024 B. 245025 C. 245022 D. 245021 32. What is the degree of the polynomial v3? A. 0 B. 1/2 C. 2 D. 3 33. Put into bar number form 27. A. 33 B. 30 C. 33 B. 30 C. 33 B. 4. Put into bar number form 39. A. 39 B. 43 C. 41 D. 41 35. Put into bar number form 499 A. 501 B. 501 |
| A. 245024 B. 245025 D. 245021 32. What is the degree of the polynomial $\sqrt{3}$? A. 0 B. $1/2$ C. 2 D. 3 33. Put into bar number form 27. A. $3\overline{3}$ B. $3\overline{3}$ D. $3\overline{3}$ 34. Put into bar number form 39. A. $3\overline{9}$ B. $4\overline{9}$ B. $4\overline{9}$ C. $4\overline{1}$ D. $4\overline{1}$ 35. Put into bar number form 499 A. $5\overline{01}$ B. $50\overline{1}$ |
| C. 245022 D. 245021 32. What is the degree of the polynomial $\sqrt{3}$? A. 0 B. $1/2$ C. 2 D. 3 33. Put into bar number form 27. B. 30 A. $3\overline{3}$ B. $3\overline{0}$ C. $3\overline{3}$ D. $3\overline{3}$ 34. Put into bar number form 39. B. $4\overline{3}$ C. $4\overline{1}$ D. $4\overline{1}$ 35. Put into bar number form 499 B. $50\overline{1}$ |
| A. 0 B. $1/2$ C. 2 D. 3 33. Put into bar number form 27. A. $3\overline{3}$ B. $\overline{30}$ C. $\overline{33}$ D. $\overline{33}$ 34. Put into bar number form 39. A. $\overline{39}$ B. $\overline{43}$ C. $\overline{41}$ D. $\overline{41}$ 35. Put into bar number form 499 A. $\overline{501}$ B. $50\overline{1}$ |
| C. 2 D. 3 33. Put into bar number form 27. A. 3\overline{3} B. 30 D. 33 C. 33 D. 33 34. Put into bar number form 39. A. 39 C. 41 B. 43 D. 41 35. Put into bar number form 499 A. 501 B. 501 |
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| A. 39 C. 41 D. 41 35. Put into bar number form 499 A. 501 B.501 B.501 |
| C. $4\overline{1}$ D. $\overline{4}1$ 35. Put into bar number form 499 A. $\overline{501}$ B. $50\overline{1}$ |
| 35. Put into bar number form 499 A. 501 B.501 |
| A. 501 |
| |
| C. 2 |
| |
| 36. Put into bar number form 859. |
| A. 741 |
| C. 941 D. 509 |
| 37. Find the cube root of 238328 . |
| A. 72 B. 52 |
| C. 82 D. 62 |
| 38. Find the cube of 103 |
| A. 1227277 B. 1092747 |
| C. 1092727 D. 1092757 |

| 39. Find the cube of 96 | | | | |
|---------------------------------------|--------------|---------------------------|--|--|
| A. 885678 | | B. 888736 | | |
| C. 884736 | | D. 1092787 | | |
| 40. Find the cube of 53 | | | | |
| A. 148877 | | В. 1092747 | | |
| C. 91195 | | D. 91125 | | |
| 41. Find the cube of 45 | | | | |
| A. 91156 | | B. 91125 | | |
| C. 1092737 | | D. 1092787 | | |
| 42. What is the degree of the po | lynomial √3> | x ³ + x ? | | |
| A. 2 | B. 1 | | | |
| C. 0 | D. N | Jone of them | | |
| 43. Find Ekadhik of 67812 | | | | |
| A. 67814 | B. 6 | 7810 | | |
| C. 678125 | D. 6 | 7813 | | |
| 44. The LCM of a given co-prime | number is e | qual | | |
| A. the product of the numbers | | B. the sum of the numbers | | |
| C. the sum and product of the numbers | | D. None of them | | |
| 45. LCM of (5,17) = | | | | |
| | B. 805 | | | |
| C. 17 | D. 5 | | | |
| 46. The LCM of a given co-prime | number wh | ich means | | |
| A. the product and sum of the nu | umbers | B. the sum of the numbers | | |
| C. whose factor is 1 and the num | ber itself | D. None of them | | |

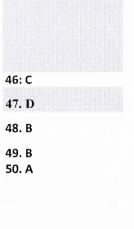
| 47. Find Ekadhik of | ² 56 | |
|----------------------|-------------------|--|
| A. 58 | B. 68 | |
| C. 67 | D. None of them | |
| 48. What is the squ | are root of 6241? | |
| A. 61 | B. 79 | |
| C. 67 | D. None of them | |
| 49. What is the Cub | e root of 250047? | |
| A. 61 | B. 63 | |
| C. 67 | D. None of them | |
| 50. Put into bar nur | mber form 776 | |
| A. 8 24 | в. 700 | |
| c. 501 | D. None of them | |

Answer Key: (Vedic Maths)

| 1. C | |
|-------|--|
| 2. C | |
| 3. C | |
| 4. A | |
| 5. A. | |
| 6. B | |
| 7. B | |
| 8. C | |
| 9. B | |
| 10. A | |
| 11. D | |
| 12. B | |
| 13. A | |
| 14. D | |
| 15.D | |
| | |
| | |

| 16. C | |
|-----------|---|
| 17. B | |
| 18. B | |
| 19. A | |
| 20. A & E | 3 |
| 21. D | |
| 22. D | |
| 23. C | |
| 24. C | |
| 25. D | |
| 26. D | |
| 27. C | |
| 28. A | |
| 29. A | |
| 30. B | |

| 31. A | | |
|----------------|--|--|
| 32A | | |
| 33. A | | |
| | | |
| 34. C | | |
| 35. B | | |
| 36. C | | |
| | | |
| 37. D | | |
| 38. C | | |
| 39. B | | |
| 40. A | | |
| 41. B | | |
| 42. D | | |
| 43. D | | |
| 43. D | | |
| | | |
| 44. A | | |
| 44. A 45: A | | |
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Science College, Congress Nagar, Nagpur M.Sc. I and M.Sc. II (Vedic Mathematics)

Score Card (Session 2023-24)

| S.N Roll. No. | | Roll. No. Name | | Max. Marks | Min. Marks | Obtained Marks | Grade |
|---------------|---------|----------------|------------------------|---------------|---------------|-------------------|-------|
| | | n | Date | | | | |
| 1 | VMS2401 | | Abhishek Yadav | 100 | 50 | 94 | О |
| 2 | VMS2402 | Ku | Gunjan S Sharma | 100 | 50 | 56 | В |
| ′ 3 | VMS2403 | | HarshP. Kukde | 100 | 50 | 54 | В |
| 4 | VMS2404 | | Himanshu P. Badwaik | 100 | 50 | 90 | A+ |
| 5 | VMS2405 | Ku | Khushi R. Yadav | 100 | 50 | 72 | Α |
| 6 | VMS2406 | | Mangesh Shigne | 100 | 50 | 60 | В |
| 7 | VMS2407 | Ku | Poonam S. Kulmethe | 100 | 50 | 98 | 0 |
| 8 | VMS2408 | Ku | Prachi H Meharkule | 100 | 50 | 96 | 0 |
| 9 | VMS2409 | Ku | Prerana W. Gharde | 100 | 50 | 74 | Α |
| 10 | VMS2410 | Ku | Priti D Patle | 100 | 50 | 68 | B+ |
| 11 | VMS2411 | Ku | Priya B Maity | 100 | 50 | 98 | 0 |
| 12 | VMS2412 | Ku | Roshan Namdev khandare | 100 | 50 | 94 | 0 |
| 13 | VMS2413 | Ku | Sangita R. Chaudhari | 100 | 50 | 68 | B+ |
| 14 | VMS2414 | Ku | Trupti Akhare | 100 | 50 | 70 | B+ |
| 15 | VMS2415 | Ku | Vaishanavi D. Barade | 100 | 50 | 80 | Α |
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| | | F | Passed | | 15 | | |
| % | | | | 1 | .00% | | |

Course Coordinator

Head of Department

Dr. Kalpana N. Pawar Prof & Head Department of Mathematics Shivaji Science College, Nagpur



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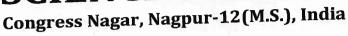


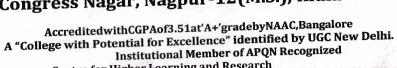
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Add-on Course **Course Exam Name: Certificate Course in Vedic Mathematcs** INSTRUCTIONS FOR FILLING THE SHEET Name of Student: 1. This sheet should not be folded or crushed. Albhishek 2. Use only blue/black ball point pen to fill the circles. Yadav 3. Use of pencil is strictly prohibited. 4. Circles should be darkened completely and properly. VIYS2 Session:2023-24 Roll No.: 40 5. Cutting and erasing on this sheet is not allowed. 6. Do not use any stray marks on the sheet. Max. Marks:100 Test Date: 28/05/2024 7. Do not use marker or white fluid to hide the mark. CORRECT METHOD WRONG METHODS (X) (A) (B) (V) 000 **Obtained Marks: Invigilator Signature** ABCD ABCD ABCD ABCD ABCD 1000 11 () () () 21 () () () **9000** 41 () () () × 12 @ O O O \angle 22 \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc 32 🗑 🔾 🤾 🔾 42 () () () 33 🔵 🔾 🔾 🔾 43 () () () 3 @000 13 🙆 🔾 🔾 🔾 4 @ 0 0 0 34 () () () () 44 🔞 🔾 🔾 🔾 × 14 0 0 0 0 5 0000 45 @ () () 35 (((() () () 16 () () () 36 0 0 6 0 46 () () 60000 26 0 0 0 0 17 0 @ 0 0 27 () () 37 () () () 47 0000 70000 18 0 0 @ 0 48 () () () 8 0 0 0 0 38 () () () () 28 🕲 🔾 🔾 🔾 9 0 0 0 0 19 💯 🔿 🔾 🔾 39 () () () 49 () () () 10 0000 20 () () () 40 🚇 🔾 🔾 🔾



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| | Course Exa | <u>Add-o</u> n Name: Certifica | <i>n Cour:</i> ate Cour | se in Vedic Mathematcs |
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| Name of St | | | | INSTRUCTIONS FOR FILLING THE SHEET 1. This sheet should not be folded or crushed. 2. Use only blue/black ball point pen to fill the circles. 3. Use of pencil is strictly prohibited. |
| Roll No.: | 402 | Session:20 | 23-24 | 4. Circles should be darkened completely and properly.5. Cutting and erasing on this sheet is not allowed. |
| Test Date:28/05/2024 Skene Invigilator Signature | | Max. Marks:100 | | 6. Do not use any stray marks on the sheet. 7. Do not use marker or white fluid to hide the mark. WRONG METHODS CORRECT METHOD |
| | | Obtained Marks: | 56 | [⊗ ● ● Ø ○ ○ ○ ● |

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<u>Add-on Course</u>

Course Exam Name: Certificate Course in Vedic Mathematcs

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| Cou | ırse Exam Name: | Certificate Cour | se in Vedic Mathe | ematcs | |
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| Cou | rse Exam Name: | Certificate Cou | rse in Vedic Mathe | ematcs | |
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| Cou | rse Exam Name: C | ertificate Cours | se in Vedic Mathe | matcs | |
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Name of Student:

Shri Shivaji Education Society, Amravati's

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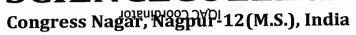
<u>Add-on Course</u>

Course Exam Name: Certificate Course in Vedic Mathematcs

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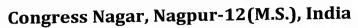


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A "College with Potential for Excellence" identified by UGC New Delhi.
Institutional Member of APQN Recognized
Centre for Higher Learning and Research
Mentor College under 'PARAMARSH Scheme', UGC, New Delhi

<u>Add-on Course</u>

Course Exam Name: Certificate Course in Vedic Mathematcs

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| Course Exam Name: Certificate Course in Vedic Mathematcs | | | | | | |
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| Name of Studen | | INSTRUCTIONS FOR FILLING THE SHEET 1. This sheet should not be folded or crushed. 2. Use only blue/black ball point pen to fill the circles. 3. Use of pencil is strictly prohibited. | | | | |
| Roll No.: 4 O Session:2023-24 | | | 4. Circles should be darkened completely and properly. 5. Cutting and erasing on this sheet is not allowed. 6. Do not use any stray marks on the sheet. 7. Do not use marker or white fluid to hide the mark. | | | |
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| Name of Student: | | | INSTRUCTIONS FOR FILLING THE SHEET 1. This sheet should not be folded or crushed. 2. Use only blue/black ball point pen to fill the circles. 3. Use of pencil is strictly prohibited. 4. Circles should be darkened completely and properly. 5. Cutting and erasing on this sheet is not allowed. 6. Do not use any stray marks on the sheet. 7. Do not use marker or white fluid to hide the mark. | |
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| Course Exam Name: Certificate Course in Vedic Mathematcs | | | | | |
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| Name of Studen | it: Akhare | INSTRUCTIONS FOR FILLING THE SHEET 1. This sheet should not be folded or crushed. 2. Use only blue/black ball point pen to fill the circles. 3. Use of pencil is strictly prohibited. 4. Circles should be darkened completely and properly. 5. Cutting and erasing on this sheet is not allowed. | | | |
| Roll No.: | | | | | |
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| <u>Add-on Course</u> Course Exam Name: Certificate Course in Vedic Mathematcs | | | | | |
|---|---------|--|--|-------------------------|--|
| Name of Student: Nawhnauli Barde | | | INSTRUCTIONS FOR FILLING THE SHEET 1. This sheet should not be folded or crushed. 2. Use only blue/black ball point pen to fill the circles. 3. Use of pencil is strictly prohibited. 4. Circles should be darkened completely and properly. 5. Cutting and erasing on this sheet is not allowed. 6. Do not use any stray marks on the sheet. 7. Do not use marker or white fluid to hide the mark. | | |
| Roll No.: A Session:2023-24 | | | | | |
| Test Date:28/05/2024 Max. Marks:100 | | | | | |
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SCIENCE COLLEGE, CONGRESS NAGAR,

NAGPUR

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CERTIFICATE

is awarded with certificate on

Session 2023-24 under Add-on course conducted for 30 hours from 13/02/2023 to 16/04/2024 by Department of Mathematics, SSESA's, Science College, congress Nagar, Nagpur 440012.

successful completion of the course entitled, Certificate course inVedic Mathematics.

Mr./Ku. Toxachi Meharkule

He/She has passed the Examination with '₫' Grade.



Dr. V. T. Chauhan

Coordinator, Department of Mathematics



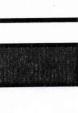


SCIENCE COLLEGE, CONGRESS NAGAR,

NAGPUR

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CERTIFICATE

is awarded with certificate

Session 2023-24 under Add-on course conducted for 30 hours from 13/02/2023 to 16/04/2024 by

successful completion of the course entitled, Certificate course inVedic Mathematics.

S. Kulmethe

Mr./Ku. Younam

Department of Mathematics, SSESA's, Science College, congress Nagar, Nagpur 440012.

He/She has passed the Examination with ' Ω ' Grade.

Dr. V. T. Chauhan

Coordinator, Department of Mathematics







SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR

Accredited with CGPA of 3.51 at 'A+' Grade A College with Potential for Excellence





CERTIFICATE

Mr./Wi. Abhishek Vadav

is awarded with certificate on successful completion of

the course entitled, Certificate course inVedic Mathematics.

Session 2023-24, under Add-on course conducted for 30 hours from 13/02/2023 to 16/04/2024 by Department of Mathematics, SSESA's, Science College, congress Nagar, Nagpur 440012.

He/She has passed the Examination with 'O' Grade.



Dr. V. T. Chauhan

Coordinator, Department of Mathematics



Action Taken Report

Total 15 students were benefitted by this course in **Vedic Mathematics** and it was very helpful to expand their Entrepreneurship knowledge and skills. It also encouraged their innovation by bringing new technique and services to society.

SSES Amit's Science College Congress Nagar Nagpur

Certificate course in Vedic Mathematics Department of Mathematics

2023-24

Feedback Analysis

- 1. Numbered of students enrolled for the certificate course-15
- 2. Number of students successfully completed the certificate course-15
- 3. Number of students successfully submitted feedback -15

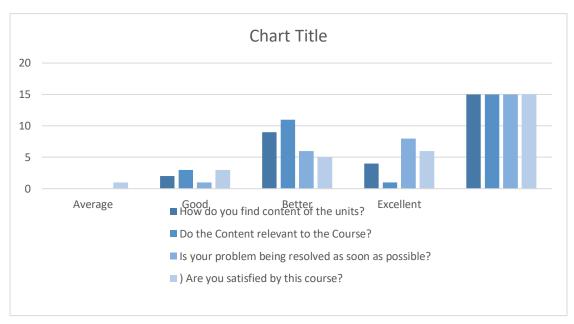
Questions:

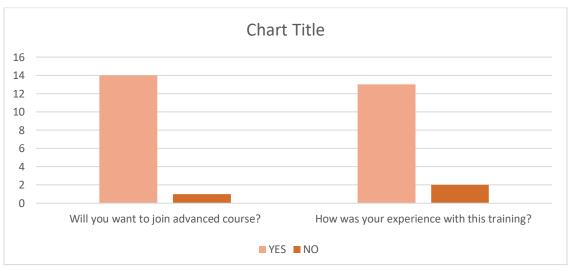
- 1) How do you find content of the units?
- 2) Do the Content relevant to the Course?
- 3) Is your problem being resolved as soon as possible?
- 4) Are you satisfied by this course?
- 5) Will you want to join advanced course?
- 6) How was your experience with this training?

Graphical Representation

Feedback Analysis

Graphical Representation





Course Coordinator

IQAC Coordinator Internal Quality Assurance Cell (IQAC) S. S. E. S. A. Science College

S. S. E. S. A. Science College Congress Nagar, Nagpur. Principal