

**D. P. Bhosale College, Koregaon**  
**Department of Mathematics**  
**and Statistics**

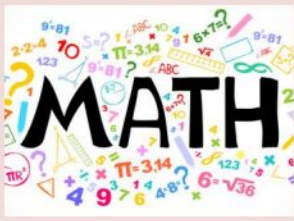


**Skill-Based Course in**  
**Vedic Mathematics**

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**D. P. Bhosale College, Koregaon**  
**Department of Mathematics  
and Statistics**



**Skill-Based Course in  
Vedic Mathematics**

**Report**

As the department always strives for the best, taking into consideration the need of the computer and job opportunity. Department of Mathematics ran the Skill Based Course entitled ‘**Vedic Mathematics**’ in the academic year 2023-24.

The department has designed this course. It has its own Board of Studies (BoS). All the faculty members took active participation in running the said course. The course started in December 2023 and was completed in March 2024. The 26 students enrolled in this course. The examination was conducted on 4<sup>th</sup> March, 2024.

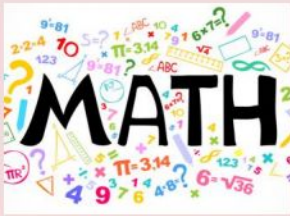
The current faculty of the Department teaches this course as well. In addition to it the exam is taken and the certificates are issued to the students. Students benefited from this course.

Sr. No.	Year	No. of beneficiary students
1	2023-24	26

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**D. P. Bhosale College, Koregaon**  
**Department of Mathematics  
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**Skill-Based Course in  
Vedic Mathematics**

**Objectives and Outcome of the course**

**Objectives of the course:**

- 1) To enable the learners to explore the power of the Vedic Maths.
- 2) To make learners strong in numerical maths.
- 3) To enable learners to recognize and understand simple techniques of arithmetic calculations.
- 4) To train learners to use the idea of Vedic Maths in daily calculations and make those calculations with accuracy and speed.

**Outcome of the course:**

- 1) To perform simple arithmetic calculations with speed and accuracy.
- 2) Will be able to generate tables of any number.
- 3) To perform products in large numbers quickly.
- 4) Develop confidence in calculating square roots and cube roots of integers .
- 5) To perform difficult calculations speedily.
- 6) To face numerical aptitude part of any competitive examination confidently.

**Reference Books:-**

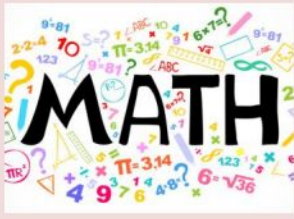
- 1) Tirthaji S.B.K., Agarwala V.S. Vedic Mathematics.
- 2) Bhatiya Dhaval, Vedic Mathematics made easy, Jaico Publishing House.

*A. Lunche*

**Head**  
Department of Mathematics  
D. P. Bhosale College, Koregaon



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**Skill-Based Course in  
Vedic Mathematics**

**Course Particulars**

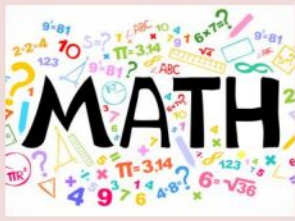
1. Eligibility : XII std. pass.
2. Duration of Course : 3 Months.
3. No. of Students : 26
4. Examination : Written Exam (50 marks)  
Practical Exam(50 marks)
5. Faculty : 1. Mrs.A.S.Salunkhe ( Co-ordinator)  
2. Miss. S.G. Mane
6. Coordinator : Head, Dept. of Mathematics  
D.P. Bhosale College, Koregaon.
7. Board of Studies : 1. Mrs.Salunkhe A.S. ( Co-ordinator)  
2. Dr. Yadav J.D. (S.G.M.College, Karad)  
3. Mr. Patil S .A. (S.G.M.College, Karad)
8. Experts Name : 1. Dr.Yadav J.D. (S.G.M. College, Karad)  
2. Mr. Patil S.A. (S.G.M. College, Karad)

*Salunkhe*

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**Department of Mathematics  
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**Skill-Based Course in  
Vedic Mathematics**

**Syllabus**

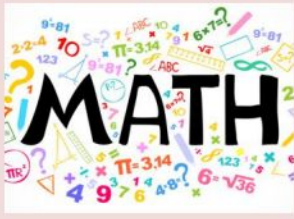
Sr. No.	Unit	Lectures
1.	History and evolution of vedic mathematics, Introduction of basic vedic mathematics techniques in multiplication, Tables, Comparison of standard methods with vedic methods	05
2.	Various techniques to carry out basic operations covering addition, subtraction, multiplication, division, complements and bases, general multiplication(vertically cross-wise)	05
3.	Factorization of simple quadratics and cubics, Highest Common Factor,	05
4.	Cubes, cube roots, square roots. general division, sum and difference of squares	05
5.	Partial fractions, integration by partial fractions, comparison of fractions , Pythagoras theorem	05
6.	simple equation, quadratic equations, simultaneous equations	05

*A. Lunche*

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**Notice**

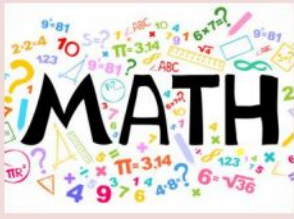
Date: 01/12/2023

All students of B.Sc. II & III (Mathematics) are hereby inform that the Department of Mathematics is going to organize your skill-based course (Vedic Mathematics) which has been scheduled from 5<sup>th</sup> December 2023 to March 2024, remain present at the prescribed time in the lecture hall.

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**Department of Mathematics  
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**Skill-Based Course in  
Vedic Mathematics**

**Time Table (Dec.2023 to Mar.2024)**

TIME	MON.	TUE.	WED.	THU.	FRI.	SAT.
09.15 a. m. to 10.03 a.m.	-----	-----	P. S. R.	C. A. K.	-----	-----
03.30 p. m. to 4.30 p.m.	S.A.S.	-----	-----	-----	-----	-----

1. S.A.S. - Mrs. Salunkhe A.S.
- 2.C. A. K. - Miss. Chinake A. K.
3. P. S. R. - Miss. Pawar S. R.

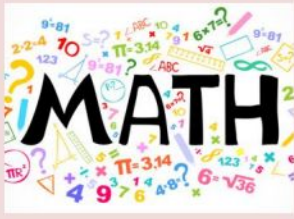
  
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**Skill-Based Course in  
Vedic Mathematics**

**List of Students**

Sr. No.	Roll No.	Name
1	20233201	Bhosale Devaki Balkrishna
2	20233202	Kshirsagar Kalyani Sanjay
3	20233101	Barge Shubham Sudhir
4	20233102	Bhosale Ravina Ananda
5	20233103	Chavan Nitin Rajaram
6	20233104	Chavan Vishwam Krishna
7	20233105	Gaikwad Sarthak Santosh
8	20233106	Godase Rohit Santosh
9	20233107	Jadhav Dip Pandurang
10	20233108	Jadhav Gayatri Sandeep
11	20233109	Jadhav Sakshi Santosh
12	20233110	Jadhav Sanika Sanjay
13	20233111	Jagdale Pratik Balkrishna
14	20233112	Kadam Akshay Bajirao
15	20233113	Kadam Amruta Rajendra

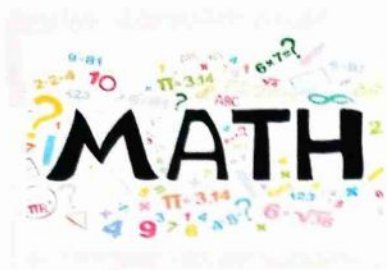


16	20233114	Kadam Harish Nanaso
17	20233115	Kadam Vaishnavi Shankar
18	20233116	Kasture Akshay Uddhav
19	20233117	Makhare Shravani Sampat
20	20233118	Nagane Komal Popat
21	20233119	Patne Purva Pandurang
22	20233120	Pawar Aditya Yovraj
23	20233121	Raut Sahil Mahadev
24	20233122	Shinde Atharv Yogesh
25	20233123	Shinde Kranti Maloji
26	20233124	Tate Pratik Arun



*Arunche*

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**Skill Based Course in**  
**Vedic Mathematics**  
**Attendance**

Sr. No.	Roll No.	Name	4-12-23	6-12-23	11-12-23	14-12-23	18-12-23	20-12-23	21-12-23
1	20233201	Bhosale Devaki Balkrishna	<i>DB</i>	<i>DB</i>	<i>DB</i>	<i>DB</i>	<i>DB</i>	<i>DB</i>	<i>DB</i>
2	20233202	Kshirsagar Kalyani Sanjay	<i>SKS</i>	<i>SKS</i>	<i>SKS</i>	<i>SKS</i>	<i>SKS</i>	<i>SKS</i>	<i>SKS</i>
3	20233101	Barge Shubham Sudhir	<i>RS</i>	<i>RS</i>		<i>RS</i>		<i>RS</i>	<i>RS</i>
4	20233102	Bhosale Ravina Ananda	<i>RBhosale</i>	<i>RBhosale</i>	<i>RBhosale</i>		<i>RBhosale</i>	<i>RBhosale</i>	<i>RBhosale</i>
5	20233103	Chavan Nitin Rajaram	<i>N.R.Chavan</i>	<i>N.R.Chavan</i>		<i>N.R.Chavan</i>	<i>N.R.Chavan</i>	<i>N.R.Chavan</i>	<i>N.R.Chavan</i>
6	20233104	Chavan Vishwam Krishna	<i>VCh</i>	<i>VCh</i>	<i>VCh</i>	<i>VCh</i>	<i>VCh</i>	<i>VCh</i>	<i>VCh</i>
7	20233105	Gaikwad Sarthak Santosh	<i>SGS</i>	<i>SGS</i>	<i>SGS</i>		<i>SGS</i>	<i>SGS</i>	<i>SGS</i>
8	20233106	Godase Rohit Santosh	<i>RS</i>		<i>RS</i>	<i>RS</i>	<i>RS</i>	<i>RS</i>	<i>RS</i>
9	20233107	Jadhav Dip Pandurang	<i>D.P.Jadhav</i>		<i>D.P.Jadhav</i>	<i>D.P.Jadhav</i>	<i>D.P.Jadhav</i>	<i>D.P.Jadhav</i>	
10	20233108	Jadhav Gayatri Sandeep	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>



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11	20233109	Jadhav Sakshi Santosh	<u>S.S.Jadhav</u>	<u>S.S.Jadhav</u>		<u>S.S.Jadhav</u>	<u>S.S.Jadhav</u>	<u>S.S.Jadhav</u>	<u>S.S.Jadhav</u>
12	20233110	Jadhav Sanika Sanjay	<u>S.S.Jadhav</u>		<u>S.S.Jadhav</u>	<u>S.S.Jadhav</u>	<u>S.S.Jadhav</u>	<u>S.S.Jadhav</u>	<u>S.S.Jadhav</u>
13	20233111	Jagdale Pratik Balkrishna							
14	20233112	Kadam Akshay Bajirao	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>
15	20233113	Kadam Amruta Rajendra	<u>Amruta</u>	<u>Amruta</u>	<u>Amruta</u>	<u>Amruta</u>		<u>Amruta</u>	<u>Amruta</u>
16	20233114	Kadam Harish Nanaso							
17	20233115	Kadam Vaishnavi Shankar	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>
18	20233116	Kasture Akshay Uddhav	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>
19	20233117	Makhare Shravani Sampat	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>
20	20233118	Nagane Komal Popat	<u>K.P.Nagane</u>	<u>K.P.Nagane</u>	<u>K.P.Nagane</u>	<u>K.P.Nagane</u>	<u>K.P.Nagane</u>	<u>K.P.Nagane</u>	
21	20233119	Patne Purva Pandurang	<u>Purva</u>	<u>Purva</u>	<u>Purva</u>	<u>Purva</u>		<u>Purva</u>	<u>Purva</u>
22	20233120	Pawar Aditya Yovraj	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>
23	20233121	Raut Sahil Mahadev	<u>Sahil</u>	<u>Sahil</u>	<u>Sahil</u>	<u>Sahil</u>	<u>Sahil</u>	<u>Sahil</u>	<u>Sahil</u>
24	20233122	Shinde Atharv Yogesh	<u>Atharv</u>	<u>Atharv</u>	<u>Atharv</u>	<u>Atharv</u>	<u>Atharv</u>	<u>Atharv</u>	<u>Atharv</u>
25	20233123	Shinde Kranti Maloji	<u>Shinde.k.m</u>	<u>Shinde.k.m</u>		<u>Shinde.k.m</u>	<u>Shinde.k.m</u>		<u>Shinde.k.m</u>
26	20233124	Tate Pratik Arun	<u>Pratik</u>	<u>Pratik</u>		<u>Pratik</u>	<u>Pratik</u>	<u>Pratik</u>	

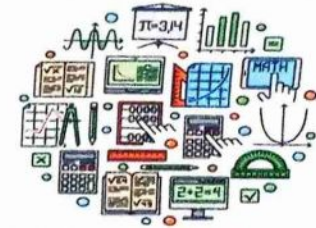


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Skill Based Course in  
Vedic Mathematics  
Attendance

Sr. No.	Roll No.	Name	27-12-23	28-12-23	1-1-24	3-1-24	4-1-24	8-1-24	10-1-24
1	20233201	Bhosale Devaki Balkrishna							
2	20233202	Kshirsagar Kalyani Sanjay							
3	20233101	Barge Shubham Sudhir							
4	20233102	Bhosale Ravina Ananda							
5	20233103	Chavan Nitin Rajaram							
6	20233104	Chavan Vishwam Krishna							
7	20233105	Gaikwad Sarthak Santosh							
8	20233106	Godase Rohit Santosh							
9	20233107	Jadhav Dip Pandurang							
10	20233108	Jadhav Gayatri Sandeep							



Attendance  
Head  
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11	20233109	Jadhav Sakshi Santosh	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	
12	20233110	Jadhav Sanika Sanjay	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	
13	20233111	Jagdale Pratik Balkrishna								
14	20233112	Kadam Akshay Bajirao	Akshay	Akshay	Akshay		Akshay	Akshay	Akshay	
15	20233113	Kadam Amruta Rajendra	Amruta		Amruta	Amruta	Amruta	Amruta	Amruta	Amruta
16	20233114	Kadam Harish Nanaso								
17	20233115	Kadam Vaishnavi Shankar	Vaishnavi		Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
18	20233116	Kasture Akshay Uddhav	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
19	20233117	Makhare Shravani Sampat	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani
20	20233118	Nagane Komal Popat	K.P.Nagane	K.P.Nagane	K.P.Nagane	K.P.Nagane	K.P.Nagane	K.P.Nagane	K.P.Nagane	K.P.Nagane
21	20233119	Patne Purva Pandurang	Purva		Purva		Purva	Purva	Purva	Purva
22	20233120	Pawar Aditya Yovraj	Aditya	Aditya	Aditya		Aditya	Aditya	Aditya	Aditya
23	20233121	Raut Sahil Mahadev	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil
24	20233122	Shinde Atharv Yogesh	Atharv	Atharv	Atharv	Atharv	Atharv			Atharv
25	20233123	Shinde Kranti Maloji	Shinde Kranti	Shinde Kranti		Shinde Kranti		Shinde Kranti	Shinde Kranti	Shinde Kranti
26	20233124	Tate Pratik Arun	Pratik	Pratik		Pratik	Pratik	Pratik	Pratik	



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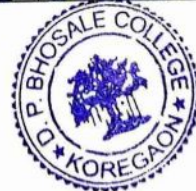
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**Department of Mathematics  
and Statistics**



**Skill Based Course in  
Vedic Mathematics  
Attendance**

Sr. No.	Roll No.	Name	17-1-24	24-1-24	29-1-24	31-1-24	1-2-24	5-2-24	7-2-24
1	20233201	Bhosale Devaki Balkrishna	<i>DB</i>	<i>DB</i>	<i>DB</i>	<i>DB</i>	<i>DB</i>	<i>DB</i>	
2	20233202	Kshirsagar Kalyani Sanjay	<i>SKS</i>	<i>SKS</i>	<i>SKS</i>	<i>SKS</i>	<i>SKS</i>	<i>SKS</i>	<i>SKS</i>
3	20233101	Barge Shubham Sudhir	<i>BS</i>		<i>BS</i>	<i>BS</i>		<i>BS</i>	<i>BS</i>
4	20233102	Bhosale Ravina Ananda	<i>RBhosale</i>		<i>RBhosale</i>	<i>RBhosale</i>		<i>RBhosale</i>	<i>RBhosale</i>
5	20233103	Chavan Nitin Rajaram	<i>N.R.Chavan</i>	<i>N.R.Chavan</i>	<i>N.R.Chavan</i>	<i>N.R.Chavan</i>		<i>N.R.Chavan</i>	<i>N.R.Chavan</i>
6	20233104	Chavan Vishwam Krishna	<i>VK</i>	<i>VK</i>	<i>VK</i>	<i>VK</i>		<i>VK</i>	<i>VK</i>
7	20233105	Gaikwad Sarthak Santosh	<i>SG</i>	<i>SG</i>	<i>SG</i>	<i>SG</i>		<i>SG</i>	<i>SG</i>
8	20233106	Godase Rohit Santosh	<i>GRS</i>		<i>GRS</i>	<i>GRS</i>	<i>GRS</i>	<i>GRS</i>	<i>GRS</i>
9	20233107	Jadhav Dip Pandurang	<i>D.P.Jadhav</i>	<i>D.P.Jadhav</i>	<i>D.P.Jadhav</i>	<i>D.P.Jadhav</i>		<i>D.P.Jadhav</i>	
10	20233108	Jadhav Gayatri Sandeep	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>	<i>G.S.Jadhav</i>



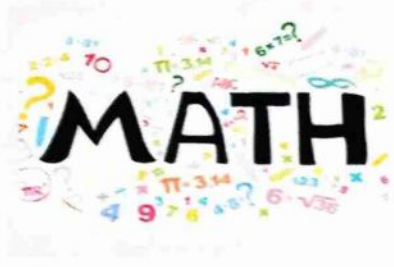
*A. Lunice*  
**Head**  
Department of Mathematics  
D. Y. Bhosale College, Koregaon

11	20233109	Jadhav Sakshi Santosh	S.S.Jadhav		S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav
12	20233110	Jadhav Sanika Sanjay	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav	S.S.Jadhav
13	20233111	Jagdale Pratik Balkrishna								
14	20233112	Kadam Akshay Bajirao	AKadam	AKadam		AKadam	AKadam	AKadam	AKadam	AKadam
15	20233113	Kadam Amruta Rajendra	ARkes	ARkes	ARkes	ARkes	ARkes	ARkes	ARkes	ARkes
16	20233114	Kadam Harish Nanaso								
17	20233115	Kadam Vaishnavi Shankar	VKadam		VKadam	VKadam	VKadam	VKadam	VKadam	VKadam
18	20233116	Kasture Akshay Uddhav	AKasture	AKasture	AKasture	AKasture	AKasture	AKasture	AKasture	AKasture
19	20233117	Makhare Shravani Sampat	SMakhare		SMakhare	SMakhare		SMakhare	SMakhare	SMakhare
20	20233118	Nagane Komal Popat	K.P.Nagane	K.P.Nagane	K.P.Nagane	K.P.Nagane	K.P.Nagane	K.P.Nagane	K.P.Nagane	K.P.Nagane
21	20233119	Patne Purva Pandurang	PPatne	PPatne	PPatne	PPatne		PPatne	PPatne	PPatne
22	20233120	Pawar Aditya Yovraj	APawar	APawar	APawar	APawar	APawar	APawar	APawar	APawar
23	20233121	Raut Sahil Mahadev	SRaut	SRaut	SRaut	SRaut	SRaut	SRaut	SRaut	SRaut
24	20233122	Shinde Atharv Yogesh	AShinde	AShinde	AShinde	AShinde		AShinde	AShinde	AShinde
25	20233123	Shinde Kranti Maloji	Shinde.k.M		Shinde.k.M	Shinde.k.M		Shinde.k.M	Shinde.k.M	Shinde.k.M
26	20233124	Tate Pratik Arun	RTate	RTate	RTate	RTate	RTate	RTate	RTate	



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**D. P. Bhosale College, Koregaon**  
**Department of Mathematics  
 and Statistics**



**Skill Based Course in  
 Vedic Mathematics  
 Attendance**

Sr. No.	Roll No.	Name	12-2-24	14-2-24	15-2-24	21-2-24	22-2-24	26-2-24	28-2-24
1	20233201	Bhosale Devaki Balkrishna							
2	20233202	Kshirsagar Kalyani Sanjay							
3	20233101	Barge Shubham Sudhir							
4	20233102	Bhosale Ravina Ananda							
5	20233103	Chavan Nitin Rajaram							
6	20233104	Chavan Vishwam Krishna							
7	20233105	Gaikwad Sarthak Santosh							
8	20233106	Godase Rohit Santosh							
9	20233107	Jadhav Dip Pandurang							
10	20233108	Jadhav Gayatri Sandeep							

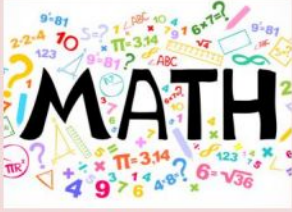


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11	20233109	Jadhav Sakshi Santosh	<u>S.S. Jadhav</u>	<u>S.S. Jadhav</u>	<u>S.S. Jadhav</u>		<u>S.S. Jadhav</u>	<u>S.S. Jadhav</u>	<u>S.S. Jadhav</u>
12	20233110	Jadhav Sanika Sanjay	<u>S.S. Jadhav</u>	<u>S.S. Jadhav</u>	<u>S.S. Jadhav</u>	<u>S.S. Jadhav</u>	<u>S.S. Jadhav</u>	<u>S.S. Jadhav</u>	<u>S.S. Jadhav</u>
13	20233111	Jagdale Pratik Balkrishna							
14	20233112	Kadam Akshay Bajirao	<u>Akshay</u>		<u>Akshay</u>		<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>
15	20233113	Kadam Amruta Rajendra	<u>Amruta</u>	<u>Amruta</u>	<u>Amruta</u>		<u>Amruta</u>	<u>Amruta</u>	<u>Amruta</u>
16	20233114	Kadam Harish Nanaso							
17	20233115	Kadam Vaishnavi Shankar	<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>		<u>Vaishnavi</u>	<u>Vaishnavi</u>	<u>Vaishnavi</u>
18	20233116	Kasture Akshay Uddhav	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>	<u>Akshay</u>
19	20233117	Makhare Shravani Sampat	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>	<u>Shravani</u>
20	20233118	Nagane Komal Popat	<u>K.P. Nagane</u>	<u>K.P. Nagane</u>	<u>K.P. Nagane</u>	<u>K.P. Nagane</u>	<u>K.P. Nagane</u>	<u>K.P. Nagane</u>	<u>K.P. Nagane</u>
21	20233119	Patne Purva Pandurang	<u>Purva</u>	<u>Purva</u>	<u>Purva</u>	<u>Purva</u>	<u>Purva</u>		<u>Purva</u>
22	20233120	Pawar Aditya Yovraj		<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>
23	20233121	Raut Sahil Mahadev	<u>Sahil</u>	<u>Sahil</u>	<u>Sahil</u>	<u>Sahil</u>	<u>Sahil</u>	<u>Sahil</u>	<u>Sahil</u>
24	20233122	Shinde Atharv Yogesh	<u>Atharv</u>	<u>Atharv</u>	<u>Atharv</u>	<u>Atharv</u>	<u>Atharv</u>	<u>Atharv</u>	<u>Atharv</u>
25	20233123	Shinde Kranti Maloji	<u>Kranti</u>		<u>Kranti</u>	<u>Kranti</u>		<u>Kranti</u>	<u>Kranti</u>
26	20233124	Tate Pratik Arun		<u>Pratik</u>	<u>Pratik</u>	<u>Pratik</u>	<u>Pratik</u>		<u>Pratik</u>



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**Skill-Based Course in  
Vedic Mathematics**

**Examination Notice**

Students of skill-based course in 'Vedic Mathematics' are hereby informed that their examination will be conducted on date of 04/03/2024. The time table is as follows:

Subject	Date	Time
Vedic Mathematics	04/03/2024	11.00 a.m. to 1.00 p.m.

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Rayat Shikshan Sanstha's  
**D. P. Bhosale College, Koregaon**  
**Short Term Course Examination March 2024**

**Date- 04/03/2024**

**Time-11 to 1pm**

**Marks-50**

**Instructions:** 1) All questions are compulsory and equal marks  
2) Figures to write indicate full marks.

**Q.1 Attempt all of the following: (10)**

- 1) Solve  $234 \times 11$
- 2) Solve  $26 + 19$  by using addition numbers near a base.
- 3) Simplify  $\frac{5}{12} + \frac{7}{18}$
- 4) Solve  $2\frac{3}{4} \times 8$
- 5) Halve the 178 by splitting them

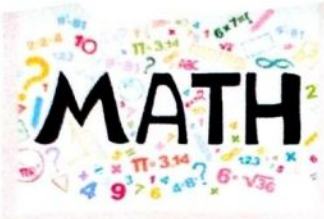
**Q.2 Attempt any four of the following: (20)**

- 1) Describe Pythagoras theorem by using Vedic mathematics.
- 2) Explain the method "columns of figure" to find addition of 27, 35, 63, 82.
- 3) Define HCF and find HCF of 8, 24, 28, 44
- 4) Simplify  $\frac{5}{12} + \frac{7}{18}, \frac{1}{3} + \frac{4}{9}$
- 5) Find the square root of 2116, 5329

**Q.3) Attempt any one of the following: (20)**

- 1) a) Solve  $\frac{2x+3}{(x+1)(x+2)}, \frac{4x+198}{(x+7)(x-6)}$  by partial fraction.  
b) Write the procedure to show that  $17496 \div 72 = 243$  with remainder 0.
- 2) a) Solve Biquadratic equation  $x^4 - 16x^3 + 91x^2 - 216x + 180 = 0$   
b) Define complement and bases with their examples.  
Find complement of 47,283
- c) Solve  $2315 \times 2423$  using vertical crosswise multiplication.
- d) Write difference between Vedic mathematics and Modern mathematics.





**D. P. Bhosale College, Koregaon**  
**Department of Mathematics**  
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**Skill-Based Course in**  
**Vedic Mathematics**

**Skill-Based Course Examination March, 2024**

**Attendance**

Date: 04/03/2024

Sr. No.	Roll No.	Name	Signature
1	20233201	Bhosale Devaki Balkrishna	
2	20233202	Kshirsagar Kalyani Sanjay	
3	20233101	Barge Shubham Sudhir	
4	20233102	Bhosale Ravina Ananda	
5	20233103	Chavan Nitin Rajaram	
6	20233104	Chavan Vishwam Krishna	
7	20233105	Gaikwad Sarthak Santosh	
8	20233106	Godase Rohit Santosh	
9	20233107	Jadhav Dip Pandurang	
10	20233108	Jadhav Gayatri Sandeep	
11	20233109	Jadhav Sakshi Santosh	
12	20233110	Jadhav Sanika Sanjay	
13	20233111	Jagdale Pratik Balkrishna	
14	20233112	Kadam Akshay Bajirao	
15	20233113	Kadam Amruta Rajendra	

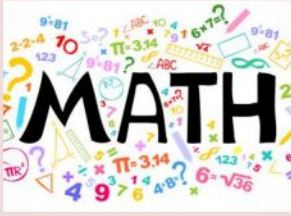


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16	20233114	Kadam Harish Nanaso	
17	20233115	Kadam Vaishnavi Shankar	<u>V. Shankar</u>
18	20233116	Kasture Akshay Uddhav	<u>A. Kasture</u>
19	20233117	Makhare Shravani Sampat	<u>S. Makhare</u>
20	20233118	Nagane Komal Popat	<u>K.P. Nagane</u>
21	20233119	Patne Purva Pandurang	<u>P. Patne</u>
22	20233120	Pawar Aditya Yovraj	<u>A. Pawar</u>
23	20233121	Raut Sahil Mahadev	<u>S. Raut</u>
24	20233122	Shinde Atharv Yogesh	<u>A. Shinde</u>
25	20233123	Shinde Kranti Maloji	<u>Shinde K.M.</u>
26	20233124	Tate Pratik Arun	<u>P. Tate</u>



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**Skill-Based Course in  
Vedic Mathematics**

**Mark-sheet**

Sr. No.	Roll No.	Name	Marks	Grade
1	20233201	Bhosale Devaki Balkrishna	47	A+
2	20233202	Kshirsagar Kalyani Sanjay	45	A+
3	20233101	Barge Shubham Sudhir	31	A
4	20233102	Bhosale Ravina Ananda	37	A
5	20233103	Chavan Nitin Rajaram	34	A
6	20233104	Chavan Vishwam Krishna	33	A
7	20233105	Gaikwad Sarthak Santosh	34	A
8	20233106	Godase Rohit Santosh	26	B
9	20233107	Jadhav Dip Pandurang	AB	-
10	20233108	Jadhav Gayatri Sandeep	35	A
11	20233109	Jadhav Sakshi Santosh	34	A
12	20233110	Jadhav Sanika Sanjay	25	B
13	20233111	Jagdale Pratik Balkrishna	AB	-
14	20233112	Kadam Akshay Bajirao	35	A
15	20233113	Kadam Amruta Rajendra	32	A



16	20233114	Kadam Harish Nanaso	AB	-
17	20233115	Kadam Vaishnavi Shankar	41	A+
18	20233116	Kasture Akshay Uddhav	32	A
19	20233117	Makhare Shravani Sampat	33	A
20	20233118	Nagane Komal Popat	36	A
21	20233119	Patne Purva Pandurang	32	A
22	20233120	Pawar Aditya Yovraj	25	B
23	20233121	Raut Sahil Mahadev	29	B
24	20233122	Shinde Atharv Yogesh	23	B
25	20233123	Shinde Kranti Maloji	26	B
26	20233124	Tate Pratik Arun	24	B

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*[Signature]*  
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