



"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe
Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur
(Empowered Autonomous)



DEPARTMENT OF MATHEMATICS

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Remedial Coaching: 2024-25

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**VIVEKANAND COLLEGE (EMPOWERED AUTONOMOUS),
KOLHAPUR**

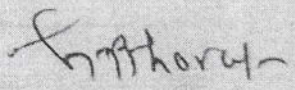
**Department of Mathematics
REMEDIAL COACHING: 2024-2025**

Notice

Date: 21/8/2024.

All the students of B.Sc.I (Mathematics) are hereby informed that remedial coaching 2024-25 will be held from Monday, 26/8/2024. First test will be held on Friday 22/8/2024 at 2.00 pm in room. No. 42




(Mr. S. P. Thorat)
HEAD
DEPARTMENT OF MATHEMATICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार "

-शिक्षणमहर्षी डॉ. बापुजी साळुंखे

VIVEKANAND COLLEGE (EMPOWERED AUTONOMOUS), KOLHAPUR

Department of Mathematics

REMEDIAL COACHING

NOTICE

Date: 05/09/2024

All the students of B.Sc. I remedial coaching are hereby informed that lectures of "Remedial Coaching" will be started from 17/09/2024 to 03/10/2024. You should attend this lectures.

Place: Department of mathematics, Room No-513

Time: 9.30am To 11.30am.

Contact Details :- Prof. G .B .Kolhe.(9404184405)

Prof. P. P. Kulkarni. (7776809807)



A handwritten signature in blue ink, appearing to read "S. P. Thorat".

Prof. S. P. Thorat.

HEAD

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(EMPOWERED AUTONOMOUS)**

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VIVEKANAD COLLEGE (EMPOWERED AUTONOMOUS), KOLHAPUR

Department of Mathematics

REMEDIAL COACHING

TIMETABLE

Date:- 17/09/24 to 03/10/24

Time:- 9.30am To 11.30am

Sr. No.	Date	Name of Teacher	Topic.
1	17/09/24	Prof. S. P. Thorat.	Calculus
2	18/09/24	Prof. G. B. Kolhe.	Integration
3	19/09/24	Prof. P. P. Kulkarni.	Geometry
4	20/09/24	Prof. V. B. Patil.	Determinant
5	21/09/24	Prof. A. M. Sathe.	Differentiation
6	23/09/24	Prof. S. J. Koshti.	Set and Relation
7	24/09/24	Prof. A. D. Patil.	Function
8	25/09/24	Prof. S. P. Thorat.	Calculus
9	26/09/24	Prof. G. B. Kolhe.	Integration
10	27/09/24	Prof. P. P. Kulkarni.	Geometry
11	28/09/24	Prof. V. B. Patil.	Matrices
12	30/09/24	Prof. A. M. Sathe.	Differentiation
13	01/10/24	Prof. A. D. Patil.	Probability.
14	03/10/24	Prof. S. J. Koshti	Limits and Continuity.



S. P. Thorat
Prof. S. P. Thorat.
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VIVEKANAND COLLEGE (EMPOWERED AUTONOMOUS), KOLHAPUR
Department of Mathematics

REMEDIAL COACHING: 2024-2025

List

Sr. No.	Name of the Student
1	Mukund Pralhad Mhetre
2	Shivam Rahul Mulage
3	Sanskar Shital Parit
4	Vighnesh Rajesh Chandrekar
5	Shivraj Vinaykumar Patil
6	Shreya Bajirao Kumbhar
7	Sandhyarani Digambar Chougale
8	Poonam Sachin Godane
9	Sai Sarjerao Navale
10	Jiya salim Mulla
11	Trupti Dattatraya Chougale
12	Shivali Shivaji Kumbhar

Vivekanand College (Empowered Autonomous), Kolhapur
Remedial Coaching 2024-2025
Presenty

Date: 01/10/2024

Sr. No	Name of Student	Class	Sign
1	Sai Sarjorao Navale	B.Sc. I	<i>S Navale</i>
2	Tiya Salim Mulla	B.Sc. I	<i>T Mulla</i>
3	Shreya Bajirao Kumbhar	-11-	<i>SKu</i>
4	Poonam Sachin Godane	-11-	<i>P Godane</i>
5	Sandhyarani Digambar Chougale	-11-	<i>SC</i>
6	Vighnesh Rajesh Chandrekar	-11-	<i>VC</i>
7	Shivam Rahul Mulage	-11-	<i>SRM</i>
8	Sanskar Shital Parit	-11-	S.S. Parit
9	Shivraj Vinaykumar Patil	-11-	<i>SV</i>
10	Mukund Pralhad Mhetre	-11-	<i>PM</i>
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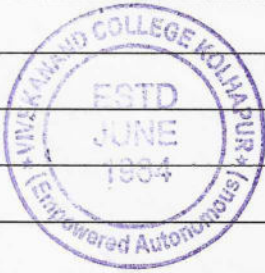
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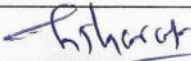
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Remedial Coaching 2024-2025
Presenty

Date: 30-09-2024

Sr. No	Name of Student	Class	Sign
1	Sandhyarani Digambar Chougale	BSC-I	
2	Poonam Sachin Godane	11	
3	Shreya Bajirao Kumbhar	-11-	
4	Tiya Salim Mulla	11	
5	Sai Sarjorao Navale	11	
6	Shivraj Vinaykumar Patil	-11-	
7	Sanskar Shital Parit	-11-	S.S. Parit
8	Shivam Rahul Mulage	-11-	
9	Mukund Pralhad Mhatre	-11-	
10	Vighnesh Rajesh Chandekar	B.SC-I	
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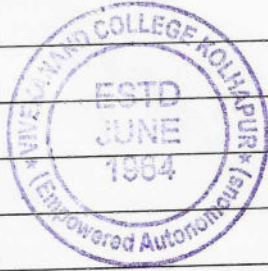


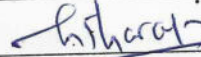

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Presenty

Date: 28-09-2024

Sr. No	Name of Student	Class	Sign
1	Shreya Bajirao kumbhar	BSC-I	
2	Jiya salim Mulla	B.Sc.I	
3	Sai Sarjerao Navale	//	
4	Poonam sachin Godane	-II-	
5	sandhyarani Digambar chougale	-II-	
6	Sanskar Shital Parit	-II-	S.S. Parit
7	Vighnesh Rajesh Chandsekar	B.Sc.-I	
8	Shirraj Vinaykumar Patil	-II-	
9	Mukund Pralhad Mhetre	-II-	
10	shivam rahul rubage	-II-	
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Remedial Coaching 2024-2025
Presenty

Date: 25-09-2024

Sr. No	Name of Student	Class	Sign
1	Sanskar Shital Parit	BSc-I	S.S. Parit
2	Vighnesh Rajesh Chandrekar	B.Sc-I	
3	Mukund Bhalhad Mhetre	BSc I	
4	Shirraj Vindykumar Patil	BSc-I	
5	Shivam Rahul Mulage	BSC-I	
6	Shreya Bajirao Kumbhar	BSC-I	
7	Sandhyarani Digambar Chougale	-II-	
8	Poonam Sachin Godane	-II-	
9	Sai Sanjiv Rao Navale	"	
10	Tiya Salim Mulla	"	
11	Trupti Dattatray Chougale	"	
12	Shivali Shivaji Kumbhar	-II-	
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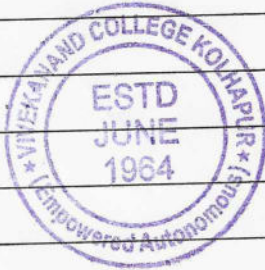


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Remedial Coaching 2024-2025
Presenty

Date: 24-09-2024

Sr. No	Name of Student	Class	Sign
1	Shivraj Vinay Kumar Patil	BSc. I	<i>[Signature]</i>
2	Mukund Pralhad Mhetre	BSc I	<i>[Signature]</i>
3	Sanskar Shital Parit	BSc-I	S.S. Parit
4	Vighnesh Rajesh Chandrekar	BSc I	<i>[Signature]</i>
5	Shivam Rahul Mulage	BSc I	<i>[Signature]</i>
6	Shreya Bajirao Kumbhar	-II-	<i>[Signature]</i>
7	Sandhyarani Digambar Chougale	-II-	<i>[Signature]</i>
8	Poonam Sachin Godane	-II-	<i>[Signature]</i>
9	Sai Sanjiv Rao Navale	//	<i>[Signature]</i>
10	Jiya Salim Mulla	//	<i>[Signature]</i>
11	Trupti Dattatray Chougale	//	<i>[Signature]</i>
12	Shivali Shivaji Kumbhar	-II-	<i>[Signature]</i>
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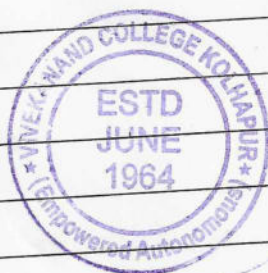
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Remedial Coaching 2024-2025
Presenty

Date: 21-09-2024

Sr. No	Name of Student	Class	Sign
1	Jiya Salim Mulka	B.S.C.FY	<u>Jiya</u>
2	Sai Sarjerao Navale	Bsc. I	<u>S Navale</u>
3	sandhyarani Digambar chougale	BSC. I	<u>Sandhya</u>
4	Trupti Dattatray chougale	BSC. I	<u>Trupti</u>
5	Shivali Shivaji Kumbhar	BSC. I	<u>Shivali</u>
6	Vighnesh Rajesh Chandrekar	-II-	<u>Vighnesh</u>
7	Shirraj Vinaykumar Patil	-II-	<u>Shirraj</u>
8	shivam Rahul Mulage	-II-	<u>Shivam</u>
9	Mukund Beralhad Mhetre	-II-	<u>Mukund</u>
10	Sanskar Shital Parit	-II-	<u>S.S. Parit</u>
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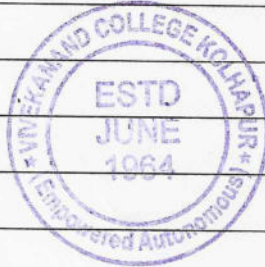


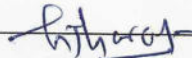
Shirraj
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Remedial Coaching 2024-2025
Presenty

Date: 20-09-2024

Sr. No	Name of Student	Class	Sign
1	Poonam Sachin Godane	BSC-I	
2	Sandhyarani Digambar Chougale	"	
3	Sai Sarjendra Navale	"	
4	Jiya Salim Mulla	"	
5	Shreya Bajirao Kumbhar	-11-	
6	Sanskar Shital Parit	-11-	
7	Vighnesh Rajesh Chandrekar	-11-	
8	Shivam Rahul Mulgaokar	-11-	
9	Shirraj Vinaykumar Patil	-11-	
10	Mukund Eralhad Mhetre	-11-	
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Presenty

Date: 19-09-2024

Sr. No	Name of Student	Class	Sign
1	Vighnesh Rajesh Chandrekar	B.Sc - FY	
2	Sanskar Shital Parit	B.Sc - I	S.S. Parit
3	Shivam Rahul Mulage	B.Sc - FY	
4	Mukund Pralhad Mhetre	B.Sc - FY	
5	Shiraj Vinaykumar Patil	B.Sc - I	
6	Shreya Bajirao Kumbhar	-II-	
7	Sandhyarani Digambar Chougale	-II-	
8	Poonam Sachin Godane	-II-	
9	Sai Satyraj Navale	"	
10	Jiya Salim Mulla	"	
11	Trupti Dattatray Chougale	"	
12	Shivaji Shivaji Kumbhar	-II-	
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3	Shivam Rahul Mulage	B.Sc - FY	
4	Mukund Pralhad Mhetre	B.Sc - FY	
5	Shiraj Vinaykumar Patil	B.Sc - I	
6	Shreya Bajirao Kumbhar	-II-	
7	Sandhyarani Digambar Chougale	-II-	
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Remedial Coaching 2024-2025
Presenty

Date: 18-09-2024

Sr. No	Name of Student	Class	Sign
1	Shivam Rahul Mulage	BSC-FY	<u>su</u>
2	Mukund Pralhad Mhetre	Bsc FY	<u>AT</u>
3	Vighnesh Rajesh Chandrekar	B.SC-FY	<u>yo</u>
4	Shivam Rahul Mulage	B-SC-FY	<u>su</u>
5	Sanskar Shital Parit	BSC-I	S.S. Parit
6	Shivraj Vinaykumar Patil	BSc 2	<u>su</u>
7	Shreya Bajirao Kumbhar	-11-	<u>SKu</u>
8	Sandhyarani Digambar Chougale	-11-	<u>SKP</u>
9	Poonam Sachin Godane	-11-	<u>SKP</u>
10	Sai Sarjerao Navale	"	<u>Navale</u>
11	Jiya Salim Mullo	"	<u>J. Mullo</u>
12	Trupti Dattatray Chougale	"	<u>Trupti</u>
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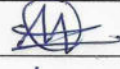
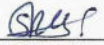
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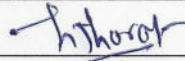
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Remedial Coaching 2024-2025

Presenty

Date: 17-9-2024

Sr. No	Name of Student	Class	Sign
1	Mukund Pralhad Mhetre	Bsc FY	
2	Shivam Rahul Mulage	BSC FY	
3	Sanskar Shital Parit	Bsc -I	S.S. Parit
4	Vighnesh Rajesh Chandrekar	BSC -FY	
5	Shivraj Vinaykumar Patil	BSC -I	
6	Shreya Bajirao Kumbhar	BS-CI	
7	Sandhyarani Digambar Chougale	-II-	
8	Poonam Sachin Godane	-II-	
9	Sai Sarjekar Navale	"	
10	Jiya Salim Mulla	"	
11	Trupti Dattatray Chougale	"	
12	Shivali Shivaji Kumbhar	-II-	
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Remedial Coaching 2024-25

Test 1(22/08/2024)

* Indicates required question

1. Email *

2. Name *

3. Roll No. *

4. If $|A| = 5$ then number of elements in power set of A is.... *

2 points

Mark only one oval.

☐ 5

☐ 2^4

☐ 5^2

☐ 32

5. Which of the following is bijective function? *

2 points

Mark only one oval.

☐ $Y=X^2$

☐ $Y=X^4$

☐ $Y=X^6$

☐ $Y=X^3$

12/6/24, 3:24 PM

6. If $A = \{ \}$ then A is *

Mark only one oval.

- ☐ Infinite set
☐ Empty set
☐ Singleton set
☐ Superset

7. The arithmetic mean of 15 numbers is 41.4 then the sum of these numbers is... * 2 points

Mark only one oval.

- ☐ 414
☐ 420
☐ 621
☐ 500

8. A and B can do a piece of work in 9 days; B and C can do it in 12 days; A and C can do it in 18 days. In how many days will A, B and C finish it, working together ? * 2 points

Mark only one oval.

- ☐ 9
☐ 8
☐ 4
☐ 5

9. What is fourth proportional to 4,9,12? *

2 points

Mark only one oval.

☐ 24☒ 23☐ 30☐ 27

10. Find the average of following sets of scores, 122, 246, 358, 46, 78, 674. * 2 points

Mark only one oval.

☐ 251☒ 342☐ 254☐ 352

11. Which of the following function is even function? *

2 points

Mark only one oval.

☐ $\sin x$ ☐ $\tan x$ ☐ $\sec x$ ☐ $\cos x$

12/6/24, 3:24 PM

12. A solution which satisfies the non-negativity restrictions of L.P.P. is * 2 points called as

Mark only one oval.

- ☐ feasible solution
☐ non feasible solution
☐ optimal solution
☐ None of these

13. If A be square matrix of order 3×3 and 5 scalar, then is $|5A|$ equal * 2 points to....

Mark only one oval.

- ☐ $5|A|$
☐ $25|A|$
☐ $5^3|A|$
☐ None of these

14. The derivative of x^2 is.... * 2 points

Mark only one oval.

- ☐ $2x$
☐ x
☐ 2
☐ 0

Date : 18/10/2024

Tick the correct answer from the following. (Each question carry 2 marks)

Q.1) If $y = e^{mx} + e^{-mx}$ then $\frac{d^2y}{dx^2} = \dots$

A) m^2y

B) my

C) $-my$

D) $-m^2y$

Q.2) If $\int_0^a 3x^2 dx = 8$, find the value of a.

A) 2

B) -3

C) 3

D) -2

Q.3) The derivative of $x^2 \cos x$ is....

A) $2x \cos x - x^2 \sin x$

B) $2x \cos x - x^2 \sin x$

C) $2x \sin x - x^2 \cos x$

D) $\cos x - x^2 \sin x \cos x$

Q.4) If $y = 2^x$ then $\frac{dy}{dx} = \dots$

A) $x(2^{x-1})$

B) $\frac{2^x}{\log 2}$

C) $2^x \log 2$

D) None Of these

Q.5) A relation R is partial ordering relation if R is...

A) Reflexive, Antisymmetric, transitive

B) Reflexive, symmetry, transitive

C) Reflexive, antisymmetric

D) Reflexive, symmetry, non-transitive

Q.6) Which of the following is bijective function?

A) $y = x^2$

B) $y = x^4$

C) $y = x^6$

D) $y = x^3$

Q.7) $A = \{(a,b), (a,c), (a,a), (b,b), (c,c)\}$ on $A = \{a,b,c\}$ Then A is

A) Reflexive

B) Symmetric

C) Non reflexive

D) Irreflexive

Q.8) The arithmetic mean of 15 numbers is 41.4 then the sum of these numbers is...

A) 414

B) 420

C) 621

D) 621

Q.9) If simple interest on Rs. 600 for 4 years and on Rs. 600 on 2 years combined together is Rs. 180 find the rate of interest.

A) 4%

B) 5%

C) 5.5%

D) 6.25%

Q.10) $\sqrt{6 + \sqrt{6 + \sqrt{6 + \dots}}} = ?$

A) 1

B) 4

C) 3

D) 6

VIVEKANAND COLLEGE (EMPOWERED AUTONOMOUS), KOLHAPUR

Department of Mathematics

REMEDIAL COACHING: 2024-2025

Progress

Sr. No.	Name of the Student	First Test	Second Test	Progress
1	Mukund Pralhad Mhetre	12	16	20%
2	Shivam Rahul Mulage	10	14	20%
3	Sanskar Shital Parit	08	12	20%
4	Vighnesh Rajesh Chandrekar	12	14	10%
5	Shivraj Vinaykumar Patil	10	12	10%
6	Shreya Bajirao Kumbhar	10	14	20%
7	Sandhyarani Digambar Chougale	12	12	00%
8	Poonam Sachin Godane	08	10	10%
9	Sai Sarjerao Navale	08	14	30%
10	Jiya salim Mulla	10	10	00%
11	Trupti Dattatraya Chougale	10	12	10%
12	Shivali Shivaji Kumbhar	08	10	10%





"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe
Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur
(Empowered Autonomous)



DEPARTMENT OF MATHEMATICS

2024-2025

Report: Remedial Coaching

- 1. Name of Department** : Mathematics
2. Name of Organized Activity : Remedial Coaching
3. Date/ Duration : 17/09/2024 – 03/10/2024
4. Aims and Objectives: 1. To develop basic knowledge about mathematics in average student.
2. To provide academic support slow learner need.
4. No. of beneficiaries: Total = 12

Students	Male	05
	Female	07

6. Expenditure & funding agency : Nill

7. Brief description: Department of Mathematics organised remedial coaching was arranged. First test was taken on 29/09/2023 of 20 marks. Students were chosen on basis of marks in first test. Total 15 number of lectures were arranged from 17/09/2024 to 03/10/2024. Former faculty of department of mathematics conducted lectures in room no. 514 at 09:30 AM to 11: 30 AM. Faculties taught basic concepts likes limits, derivatives, continuity. Second test was taken on 18th October 2024. Student showed progress than before. Students were eager to learn and were grateful to organiser.

- 8. Outcomes:** 1. Students learns basic knowledge of mathematics.
2. Performance of slow learners is improved.

9. Photos : Enclosed

**10. Signatures of coordinator/
organizer:** Ms. P.P. Kulkarni. And
Ms. V. B. Patil



Signature

HEAD
DEPARTMENT OF MATHEMATICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)