

DEPARTMENT OF MATHEMATICS

Date: 19/01/2024

Vivekanand College, Kolhapur (Empowered Autonomous)

Department Of Mathematics

Value added course(2023-2024): **Mathematics for Competitive Examination**

Notice

All the students of second and third year students of B.A. /B. Com /B.Sc. are hereby informed that of value added courses will be conducted from 01/02/2024. Those students who are registered for course be present at 09:30 AM in room no. 39 on Thursday, 01/02/2024.

Co-ordinator: Mr. G. B. Kolhe  
Contact: 9404184405

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

*R. R. Kumbhar*  
(Prin. Dr. R. R. Kumbhar)  
PRINCIPAL  
VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)

B.Sc. II/III Ele: - *Patilgani*

B.C.A. II/III - *Pt*

B.Sc II/III Botany. - *...*

B.Sc. II/III ~~zology~~ - *...*  
zoology - *...*

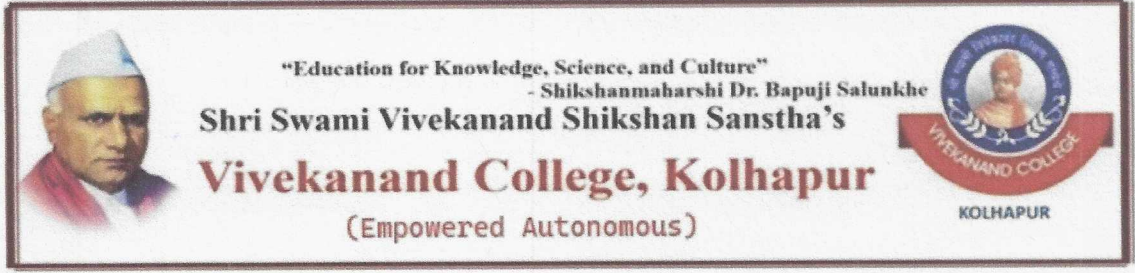
B.Sc. II/III com. sci - *...*

B.Sc II/III chemistry. - *...*

B.Sc. II/III statistics - *...*

B.Sc. II/III physics - *...*

B.Sc. II/III com. sci. Entree - *...*



**DEPARTMENT OF MATHEMATICS**

Date: 19/01/2024

**Vivekanand College, Kolhapur (Empowered Autonomous)**

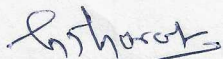
**Department Of Mathematics**

**Value added course(2023-2024): Mathematics for Competitive Examination**

**Timetable**

Sr. No.	Date	Time	Name Of the Teacher
1	01/02/2024	9:30 A.M. TO 11:30A.M.	Mr. G. B. Kolhe
2	02/02/2024	9:30 A.M. TO 11:30A.M.	Ms. P. P. Kulkarni
3	03/02/2024	9:30 A.M. TO 11:30A.M.	Ms. A. M. Sathe
4	08/02/2024	9:30 A.M. TO 11:30A.M.	Mr. G. B. Kolhe
5	09/02/2024	9:30 A.M. TO 11:30A.M.	Ms. A. M. Sathe
6	10/02/2024	9:30 A.M. TO 11:30A.M.	Ms. P. P. Kulkarni
7	15/02/2024	9:30 A.M. TO 11:30A.M.	Mr. G. B. Kolhe
8	16/02/2024	9:30 A.M. TO 11:30A.M.	Ms. A. M. Sathe
9	17/02/2024	9:30 A.M. TO 11:30A.M.	Ms. P. P. Kulkarni
10	22/02/2024	9:30 A.M. TO 11:30A.M.	Mr. G. B. Kolhe
11	23/02/2024	9:30 A.M. TO 11:30A.M.	Ms. A. M. Sathe
12	29/02/2024	9:30 A.M. TO 11:30A.M.	Mr. G. B. Kolhe
13	01/03/2024	9:30 A.M. TO 11:30A.M.	Ms. A. M. Sathe
14	02/03/2024	9:30 A.M. TO 11:30A.M.	Ms. P. P. Kulkarni
15	07/03/2024	9:30 A.M. TO 11:30A.M.	Ms. P. P. Kulkarni

**Exam will be conducted on 28/03/2024\*\***



(Prof. S. P. Thorat)

**HEAD**

DEPARTMENT OF MATHEMATICS  
VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)



(Prin. Dr. R. R. Kumbhar)

**PRINCIPAL**

VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)

**Vivekanand College Kolhapur(Autonomous)**

**DEPARTMENT OF MATHEMATICS**

**VALUE ADDED COURSE**

**Mathematics for Competitive Examinations**

(for the UG Final year students of academic year 2022-2023)

**Course Code:**

**Course Duration: 30 Hours**

**Syllabus**

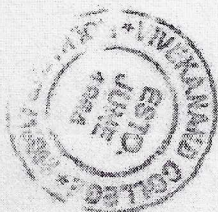
<b>UNIT I</b>	<b>6 Hours</b>
Number System, H.C.F and L.C.M of Rational Numbers, Decimal Fractions. Simplification of Square Roots and Cube Roots.	
<b>UNIT II</b>	<b>6 Hours</b>
Average's percentages, Profit & loss, Ratio & proportion, Partnership.	
<b>UNIT III</b>	<b>6 Hours</b>
Time & distance, Time & work, Work & wages	
<b>UNIT IV</b>	<b>6 Hours</b>
Simple interest & Compound interest	
<b>UNIT V</b>	<b>6 Hours</b>
Arithmetical Reasoning, Inserting the missing character, Problems on Ages, Mathematical puzzle's & patterns	

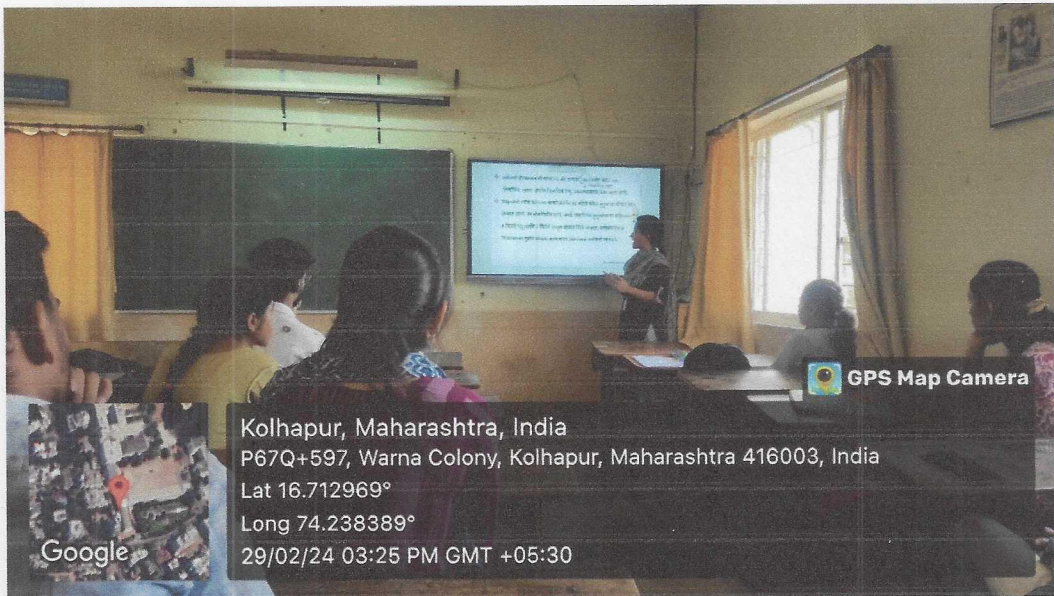
**Books for Reference:**

1. Quantitative Aptitude by R.S. Agarwal, Sultan Chand and Company Ltd, NewDelhi,2012
2. Quantitative Aptitude for Competitive Examinations by Abhijit Guha, McGraw HillEducation,2011.

**Course Outcomes:**

1. To nurture the fundamental Mathematical skills for preparing and cracking competitive examination.
2. To Ignite the problem solving ability of the students.





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



(EMPOWERED AUTONOMOUS)

Department Of Mathematics

Value Added Course: 2023-24

Mathematics for Competitive Exam

Student Attendance

Sr. No.	Name	Class	01/02/2024	02/02/2024	03/02/2024
1	Vrushali.S. Ekshinge	BSc II	<u>Vrushali</u>	<u>Vrushali</u>	<u>Vrushali</u>
2	Shreya B. Patil	Bsc II	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
3	Gayatri A. Awate	Bsc-II	<u>Awate</u>	<u>Awate</u>	
4	Sadiya.Z. kazi	Bsc-II	<u>Bazi</u>	<u>Bazi</u>	<u>Bazi</u>
5	Rohini.B. Karale	Bsc.II	<u>Bkarale</u>	<u>Bkarale</u>	<u>Bkarale</u>
6	Snigdha.S. Patil	Bsc.II	<u>Spatil</u>		
7	Neeta.B. Patil	Bsc.II	<u>Npatil</u>		
8	Jay D. Waghmare	B.Sc.II	<u>Jwaghmare</u>	<u>Jwaghmare</u>	
9	Shridhar.S. Jadhav	B.Sc.II	<u>Shridhar</u>	<u>Shridhar</u>	<u>Shridhar</u>
10	Ayushkar.S. Kamble	B.Sc-II	<u>Ayushkar</u>	<u>Ayushkar</u>	
11	Atharv M. Kognolikar	B.Sc II	<u>AMK</u>	<u>AMK</u>	<u>AMK</u>
12	Aditya.A. Asdalakar.	B.Sc-II	<u>Aditya</u>		
13	Sanjivani.R. Kamble	B.sc II	<u>Sanjivani</u>	<u>Sanjivani</u>	<u>Sanjivani</u>
14	Sakshi.S. Patil	BSC II	<u>Spatil</u>	<u>Spatil</u>	<u>Spatil</u>
15	Sujata K. Bhogam	Bsc II	<u>SBhogam</u>	<u>SBhogam</u>	<u>SBhogam</u>
16	Sanika V. Chougule	Bsc II	<u>Schougule</u>	<u>Schougule</u>	<u>Schougule</u>
17	Aditya.Y. Kaundade	Bsc-II	<u>Ayushkar</u>	<u>Ayushkar</u>	<u>Ayushkar</u>
18	Sanika Sunil Patil	Bsc-II			
19	Snehal M. Khopkar	Bsc-II			
20	Abhijeet.K. Kalake	Bsc-II		<u>Abhijeet</u>	<u>Abhijeet</u>

VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)

Department Of Mathematics

Value Added Course: 2023-24

Mathematics for Competitive Exam

Student Attendance

Sr. No.	Name	Class	08/02/2024	09/02/2024	10/02/2024
1	Vrushali. S. Ekshinge	BSc II	<u>Vrushali</u>	<del>—————</del>	
2	Shreya B. Patil	BSc II	<u>Patil</u>	<del>—————</del>	
3	Sanika V. Chougale	B.Sc. II	<u>Chougale</u>	<u>Chougale</u>	
4	Rohini B. Karale	BSc. II	<u>Bekarale</u>	<u>Bekarale</u>	
5	Sadiya. Z. kazi	BSc. II	<u>Bazi</u>	<u>Bazi</u>	<u>Bazi</u>
6	Sanika Sunil Patil	BSc. II	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
7	Snehal Madhukar Khopkar	BSc. II	<u>Khopkar</u>	<u>Khopkar</u>	
8	Sakshi Sambhaji Patil	BSc. II	<u>Patil</u>	<u>Patil</u>	
9	Arishkar S. Kamble	BSc. II	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
10	Jay D. Waghmare	B.Sc. II	<u>Waghmare</u>	<u>Waghmare</u>	<u>Waghmare</u>
11	Abhijeet. L. Kalake	B.Sc. II	<u>Kalake</u>	<u>Kalake</u>	<u>Kalake</u>
12	Atharv N. Kagnoliker	B.Sc. II	<u>AKS</u>	<u>AKS</u>	<u>AKS</u>
13	Omkar. S. Misal	B.Sc. II	<u>Misal</u>	<u>Misal</u>	<u>Misal</u>
14	Aditya Y. Kaundade	BSc. II	<u>Kaundade</u>	<u>Kaundade</u>	<u>Kaundade</u>
15	Sharayu. P. Sutar	BSc. II	<del>—————</del>	<del>—————</del>	<del>—————</del>
16	Sujata K. Bhogam	BSc. II	<u>Bhogam</u>	<u>Bhogam</u>	<u>Bhogam</u>
17	Gayatri A. Awate	BSc. II	<u>Awate</u>	<u>Awate</u>	<u>Awate</u>
18	Shridhar Jadhav	B.Sc. II	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
19	Neeta. B. Patil	BSc. II	<del>—————</del>	<del>—————</del>	<u>Patil</u>
20	Pratiksha T. Shinde	BSc. II	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>

VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)

Department Of Mathematics

Value Added Course: 2023-24

Mathematics for Competitive Exam

Student Attendance

Sr. No.	Name	Class	15/02/2024	16/02/2024	17/02/2024
1	Sadiya. Z. Kazi	Bsc-II	<u>Sadi</u>	<u>Sadi</u>	<u>Sadi</u>
2	Gayatri A. Awate	Bsc-II	<u>Gawate</u>	<u>Gawate</u>	
3	Snehal M. Khopkar	Bsc-II	<u>Snehal</u>	<u>Snehal</u>	
4	Banjivani R. Kamble	Bsc-II	<u>Banjivani</u>		
5	Vrushali. S. Ekshinge	-II-	<u>Vrushali</u>		
6	Shreya B. Patil	-II-	<u>Patil</u>	<u>Patil</u>	
7	Sakshi S Patil	-II-	<u>Patil</u>		
8	Neeta B Patil	-II-	<u>Patil</u>		
9	Vallabh S Jadhav	B Com II	<u>Va</u>		
10	Ranveer Samadhan Patil	-II-	<u>RSP.</u>		
11	Atharv H. Kognalikar	Bsc-II	<u>AHK</u>	<u>AHK</u>	<u>AHK</u>
12	Avishkar Kamble	-II-	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
13	Abhijeet K. Kalkate	-II-	<u>Akalkate</u>		
14	Sujata K. Bhogam	-II-	<u>JBhogam</u>	<u>JBhogam</u>	
15	Aditya Y. Kaundade	Bsc-II	<u>AKaundade</u>	<u>AKaundade</u>	<u>AKaundade</u>
16	Vrushali S. Ekshinge	-II-	<u>Vrushali</u>	<u>Vrushali</u>	
17	Sanika Sunil Patil	-I-		<u>Patil</u>	
18	Omkar Sunil Misal	BSC-II	<u>Omiscal</u>	<u>Omiscal</u>	<u>Omiscal</u>
19	Jhankar Jadhav	BSC-II	<u>Jus</u>	<u>Jus</u>	<u>Jus</u>
20					

VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)

Department Of Mathematics

Value Added Course: 2023-24

Mathematics for Competitive Exam

Student Attendance

Sr. No.	Name	Class	22/02/2024	23/02/2024	29/02/2024
1	Sadiya . Z. kazi	Bsc.II	<u>Sazi</u>	<u>Sazi</u>	—
2	Gayatri A. Awate	Bsc.II	<u>Gawate</u>	—	—
3	Ganjivani R. Kamble	Bsc II	<u>Ganjivani Kamble</u>	<u>Ganjivani Kamble</u>	<u>Ganjivani Kamble</u>
4	Jay Dilip Waghmare	B.Sc.II	<u>Jay Dilip Waghmare</u>	<u>Jay Dilip Waghmare</u>	
5	Avishkar Kamble	-11-	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
6	Aditya Y. Kaundade	BSc-II	<u>Aditya Y. Kaundade</u>	<u>Aditya Y. Kaundade</u>	<u>Aditya Y. Kaundade</u>
7	Atharv H. Kogolikar	Bsc. II	<u>Atharv H. Kogolikar</u>	<u>Atharv H. Kogolikar</u>	<u>Atharv H. Kogolikar</u>
8	Sanika Sunil Patil	BSC-II	<u>Sanika Sunil Patil</u>	<u>Sanika Sunil Patil</u>	—
9	Gnigdha Sunil patil	BSC-II	<u>Gnigdha Sunil patil</u>	—	—
10	Vrushali . S. Ekshinge	-11-	<u>Vrushali . S. Ekshinge</u>	<u>Vrushali . S. Ekshinge</u>	
11	Shreya . B. patil	-11-	<u>Shreya . B. patil</u>	<u>Shreya . B. patil</u>	
12	Sydata k. Bhogam	-11-	<u>Sydata k. Bhogam</u>	<u>Sydata k. Bhogam</u>	
13	Shridhar . S. Jadhav	-4-	<u>Shridhar . S. Jadhav</u>	<u>Shridhar . S. Jadhav</u>	
14	Sakshi . S. Patil	-11-	<u>Sakshi . S. Patil</u>	<u>Sakshi . S. Patil</u>	
15	<del>Vrushali . S. Ekshinge</del>	<del>-11-</del>			
16	Abhijeet . S. Kalake	-11-		<u>Abhijeet . S. Kalake</u>	<u>Abhijeet . S. Kalake</u>
17	Shridhar . S. Jadhav	-11-	<u>Shridhar . S. Jadhav</u>	<u>Shridhar . S. Jadhav</u>	<u>Shridhar . S. Jadhav</u>
18	Omkar S. Misal	BSC-II	<u>Omkar S. Misal</u>	<u>Omkar S. Misal</u>	<u>Omkar S. Misal</u>
19					
20					



VIVEKANAND COLLEGE, KOLHAPUR  
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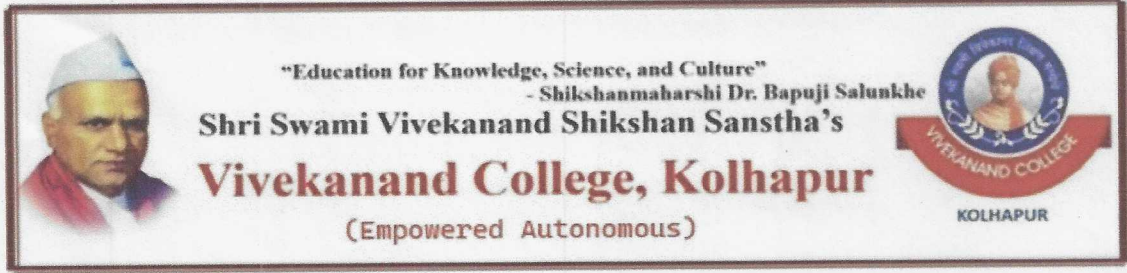
Department Of Mathematics

Value Added Course: 2023-24

Mathematics for Competitive Exam

Student Attendance

Sr. No.	Name	Class	01/03/2024	02/03/2024	07/03/2024
1	Avishkar S. Kamble	B.Sc-II	Kamble	Kamble	Kamble
2	Shridhar. Jadhav	B-Sc-II	Jadhav	Jadhav	—
3	Atharv H. Kognolikar	Bsc-II	AKK	AKK	AKK
4	Omkar S. Misal	BSc-II	Misal	Misal	Misal
5	Sanjivani. R. Kamble	Bsc-II	—	Sanjivani	—
6	Aditya Y. Kaundade	Bsc-II	Kaundade	Kaundade	—
7	Jay D. Waghmare	B.Sc.-II	Waghmare	—	—
8	Sadiya. Z. Kazi	Bsc-II	—	—	Kazi
9	Gayatri A. Awate	Bsc-II	—	—	Awate
10	Shreya B. Patil	Bsc-II	Patil	Patil	Patil
11	Vrushali S. Ekshinge	BSc-II	Ekshinge	Ekshinge	Ekshinge
12					
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**DEPARTMENT OF MATHEMATICS**

**2023-2024**

**Report: Value Added Course**

- 1. Name of Department** : Mathematics  
**2. Name of Organized Activity** : Value Added Course  
(Mathematics for Competitive Examination)  
**3. Date/ Duration** : 29/01/2024 – 04/03/2024.  
**4. Aims and Objectives** : 1. To acquire basic knowledge of Mathematics.  
2. Develop capacity of solving problems of mathematics for competitive examination.  
**5. No. of beneficiaries** : **Total = 20**

Students	Male	10
	Female	10

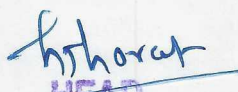
**6. Expenditure & funding agency:** Nill.

**7. Brief description:** On the behalf of Mathematics department Value added course (Mathematics for Competitive Examination) was arranged during year 2023-2024 for students of graduation of all streams. Under this course 25 lectures were arranged on syllabus of course. Faculty of mathematics of Vivekanand college Kolhapur, conducted the lectures during 29/01/2023 – 04/03/2024 at 09: 30 AM to 11: 30 AM. Students from arts, commerce and science attended this course and thankful to organiser Mr. G.B. Kolhe (Assistant prof., Vivekanand College, Kolhapur (Empowered Autonomous). Exam was conducted on 19/04/2024 to which out of 20 students 09 students appeared and all passed the exam.

**8. Outcomes** : 1. Developed basic concepts of Mathematics.  
2. Students acquired knowledge of mathematics for competitive Examination

**9. Photos** : Enclosed

**10. Signatures of coordinator/ organizer:** Mr. G.B. Kolhe.

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





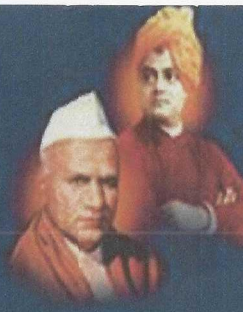
श्री स्वामी विवेकानंद शिक्षण संस्था, कोल्हापूर - शाखा, कोल्हापूर  
Shri Swami Vivekanand Shikshan Sanstha, Kolhapur.

# VIVEKANAND COLLEGE, KOLHAPUR

(Empowered Autonomous)

Affiliated to Shivaji University

NAAC Reaccredited "A" | College with Potential for excellence | ISO 9001 : 2015



Certificate of completion of Value added course for academic year 2023-2024

**"Mathematics for Competitive Examination"**

**Organised by**

**Department Of Mathematics**

## **CERTIFICATE**

This is to certify that, Mr. Jadhav Shridhar Suhas std. B.Sc.II of **Vivekanand Kolhapur (Empowered Autonomous)** has completed Value added course for academic year 2023-2024 named **"Mathematics for competitive examination"** held from February to March 2024 organized by Department of Mathematics, Vivekanand College, Kolhapur (Empowered Autonomous).

G.B. Kolhe

**Mr. G.B. Kolhe**

**Co-Convenor**

Assistant Prof. of Department Mathematics,  
Vivekanand College,  
Kolhapur (Empowered Autonomous).

S. P. Thorat

**Mr. S. P. Thorat**

**Convenor**

Head of Department Mathematics,  
Vivekanand College,  
Kolhapur (Empowered Autonomous)

R. R. Kumbhar

**Dr. R. R. Kumb**

**Principal**

Vivekanand College  
Kolhapur (Empowered Auto)