



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



Ph. : 0231-2658612, 2658840 | Fax : 0231-2658840 | Resi. : 0231-2653962 | Website : www.vivekanandcollege.org | E-mail : info@vivekanandcollege.org

Founder
Dr. Babuji Salunkhe
D. Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

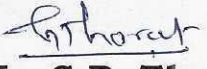
Ref. No. VCK/1335/2022-23

Date : 7/2/2023

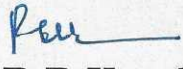
VIVEKANAND COLLEGE KOLHAPUR (AUTONOMOUS)
Department of Mathematics
Value Added Course
Notice

06/02/2023

All the students of B. A. / B. Com / B.Sc. (Final year) are informed that Dept. of Mathematics has introduced value added Course entitled "Mathematics for Competitive Examination" from the Academic year 2022-23. This course will help to all Students for competitive Examination. So interested students Contact to the department of mathematics before 15/2/2023.


Mr. S.P. Thorat
HEAD
Department of Mathematics
Vivekanand College, Kolhapur




Dr. R.R. Kumbhar
PRINCIPAL
Vivekanand College
Kolhapur

Vivekanand College Kolhapur (Autonomous)

Department of Mathematics

Value Added Course

Notice

NO: NB/1335/2022-23

06/02/2023

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S.P. Thorat

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HEAD

Department of Mathematics
Vivekanand College, Kolhapur



P. B. ...

Principal

Vivekanand College
Kolhapur

B. A. III सर्व विषय

1) Hist - S. D. ...

2) Pol. Sci - B. ...

3) Home Science - S. ...

4) Geography - D. ...

5) B. Chame. H.V. - B. ...

6) B.A. III (Sp) Am ...
English

7) B.A. III (Eco) Am ...

8) B.Sc. III (Microbiology) M. ...
08/02/23

B. Com III

1) PBM - Revani ...
8/1/23

2) B.Com. III S. ...
8/2/2023

3) B.Com. II (CA) Am ...

B. Sc. III सर्व विषय

1) Microbiology - M. ...
8/2/23

2) Botany - Am ...

3) B. CA - Am ...

4) B. Voc. GD Am ...

5) B.Sc. Comp. Sci. Am ...

6) B.Sc. III Computer Am ...

7) B.Sc. IB Am ...

8) B.Sc. II Am ...

9) Chem Dept Am ...

10) B.Sc. III - Phy Am ...

11) Stat Am ...

B.Sc. III Maths Am ...

Department of Mathematics
Vivekanand College, Kolhapur

Date:-23/06/2023

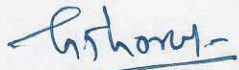
Notice

All student of the value added course (Mathematics for Competitive Exam) are hereby informed that exam will be conducted in online mode. Certificate will be provided only those students who will attain this exam and schedule is as follows:

Time Table

| Date | Name of Exam | Time |
|------------|--------------------|----------------|
| 05/07/2023 | Value added course | 01:00 to 01:30 |




(S.P. Thorat)

HEAD
Department of Mathematics
Vivekanand College, Kolhapur

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

Course Outcomes:

On completion of course the student will be able to

1. nurture the fundamental Mathematical skills for preparing and cracking competitive examination.
2. ignite the problem-solving ability of the students.
3. understand the basic concepts of logical reasoning skills.
4. compete in various competitive exams like CAT, UPSC, SSC-CGL ect.

Syllabus

| | |
|---|---------|
| UNIT I | 6 Hours |
| Number System, H.C.F and L.C.M of Rational Numbers, Decimal Fractions. Simplification of Square Roots and Cube Roots. UNIT II | |
| Average's percentages, Profit & loss, Ratio & proportion, Partnership. 6 Hours | |
| UNIT III | |
| Time & distance, Time & work, Work & wages | 6 Hours |
| UNIT IV | 6 Hours |
| Simple interest & Compound interest | |
| UNIT V | 6 Hours |
| 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.



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)

Time table

| Sr.No. | Date | Time | Name of Teacher |
|--------|------------|------------|------------------------|
| 1 | 17/02/2023 | 9.30-11.30 | Mr. S. P. Thorat |
| 2 | 24/02/2023 | 9.30-11.30 | Mr. S. P. Thorat |
| 3 | 03/03/2023 | 9.30-11.30 | Mr. A. A. Patil |
| 4 | 10/03/2023 | 9.30-11.30 | Mr. G.B. Kolhe |
| 5 | 17/03/2023 | 9.30-11.30 | Miss. S.M. Malavi |
| 6 | 24/03/2023 | 9.30-11.30 | Miss. P.P. Kulkarni |
| 7 | 31/03/2023 | 9.30-11.30 | Miss. A.M. Sathe |
| 8 | 06/04/2023 | 9.30-11.30 | Miss. M.G. Golivadekar |
| 9 | 13/04/2023 | 9.30-11.30 | Miss. S.S. Patil |
| 10 | 21/04/2023 | 9.30-11.30 | Miss. N.S. Tamgave |
| 11 | 28/04/2023 | 9.30-11.30 | Miss. S.S. Patil |
| 12 | 04/05/2023 | 9.30-11.30 | Miss. S.D. Chavan |
| 13 | 12/05/2023 | 9.30-11.30 | Mr. A. A. Patil |
| 14 | 19/05/2023 | 9.30-11.30 | Mr. G.B. Kolhe |
| 15 | 26/05/2023 | 9.30-11.30 | Miss. S.M. Malavi |



S.P. Thorat

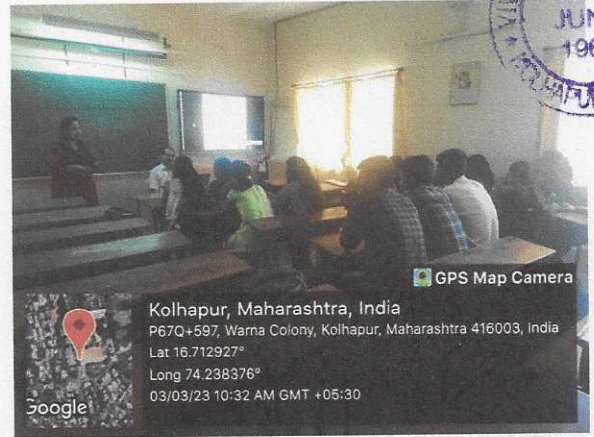
Mr. S. P. Thorat

HEAD

Department of Mathematics
Vivekanand College, Kolhapur



Kolhapur, Maharashtra, India
P67Q+597, Warna Colony, Kolhapur, Maharashtra 416003, India
Lat 16.712927°
Long 74.238376°
03/03/23 10:32 AM GMT +05:30



Kolhapur, Maharashtra, India
P67Q+597, Warna Colony, Kolhapur, Maharashtra 416003, India
Lat 16.712927°
Long 74.238376°
03/03/23 10:32 AM GMT +05:30



Kolhapur, Maharashtra, India
P67Q+597, Warna Colony, Kolhapur, Maharashtra 416003, India
Lat 16.71294°
Long 74.238373°
01/03/23 10:24 AM GMT +05:30



Kolhapur, Maharashtra, India
P67Q+597, Warna Colony, Kolhapur, Maharashtra 416003, India
Lat 16.712937°
Long 74.238368°
01/03/23 10:23 AM GMT +05:30

Anshorath
HEAD
Department of Mathematics
Vivekanand College, Kolhapur

24/10/2023



Shri swami vivekanand shikshan sansth's
Vivekanand college, Kolhapur(Autonomous)

Department of Mathematics

Value added course -2023

Date

| sr. No | Name of the student | Class | 10/03/23 | 10/03/23 | 17/03/23 | 17/03/23 | 24/03/23 |
|--------|--------------------------|-----------|--------------|--------------|--------------|--------------|--------------|
| 1. | Sonika Santosh Dhumale | B.Sc.FY | Dhumale | Dhumale | Dhumale | Dhumale | Dhumale |
| 2. | sai. Abhijit Vaze | BSC-FY | Savaze | Savaze | Savaze | Savaze | Savaze |
| 3. | Sharvari Kuldeep Patil | BSC-FY | | | | | |
| 4. | Pratham Pradeep Sawant | Bsc-FY | PSawant | PSawant | PSawant | PSawant | PSawant |
| 5. | Poonam Nagsu Patil | Bsc.fy | PPatil | PPatil | PPatil | PPatil | PPatil |
| 6. | Shevadi Bhimrao Bavacha | BSC-FY | SB | SB | SB | SB | SB |
| 7. | Sanika subhash Parpalkar | BSC-FY | SSP | SSP | SSP | SSP | SSP |
| 8. | Gayatri Gundu Kangralkar | BSC-FY | GK | GK | GK | GK | GK |
| 9. | Anushka sunil shete. | BSC-FY | AS | AS | AS | AS | AS |
| 10. | Vinayak Sanjay Jadhav. | B.Sc. fy | VJ | VJ | VJ | VJ | VJ |
| 11. | Kartikrao Bhagwan Patil | BSCFY | BKPatil | BKPatil | BKPatil | BKPatil | BKPatil |
| 12. | Sanika sanjay Kumbhar | BSCFY | S.S.Kum | S.S.Kum | S.S.Kum | S.S.Kum | S.S.Kum |
| 13. | Diksha Yuvraj Kumbhar | BSCFY | Kumbhar | Kumbhar | Kumbhar | Kumbhar | Kumbhar |
| 14. | Shubani Madhav Warkar | BSCFY | SW | SW | SW | SW | SW |
| 15. | Sai Chandrakant Chougale | Bsc fy | S.C.Chougale | S.C.Chougale | S.C.Chougale | S.C.Chougale | S.C.Chougale |
| 16. | Yesh C. Raut. | B.com III | YRaut | YRaut | YRaut | YRaut | YRaut |
| 17. | Prayanshu.s. Genul. | B.sc III | DGenul | DGenul | | DGenul | DGenul |
| 18. | Harshwardhan Zambare | HZambare | HZambare | HZambare | HZambare | HZambare | HZambare |
| 19. | Rajkumar Baban Kapse | B.se. III | RBKapse | RBKapse | RBKapse | RBKapse | RBKapse |
| 20. | Sangram Vijay Drasi | B.com III | SVDrasi | SVDrasi | SVDrasi | | SVDrasi |
| 21. | Patil Harshad Kirnal | B.Sc III | HKPatil | HKPatil | HKPatil | HKPatil | HKPatil |
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Harshad
HEAD
Department of Mathematics
Vivekanand College, Kolhapur

Shri swami vivekanand shikshan sansth's
Vivekanand college, Kolhapur(Autonomous)

Department of Mathematics
Value added course -2023

| sr. No | Name of the student | Class | Date | | | | |
|--------|---------------------------|----------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | | 21/04/23 | 21/04/23 | 28/04/23 | 04/05/23 | 04/05/23 |
| 1. | Sanika Santosh Dhumale | FY BSc | Female | Female | Female | Female | Female |
| 2. | Sai Abhijit Raze | FY BSc | SA RAZE | SA RAZE | SA RAZE | SA RAZE | SA RAZE |
| 3. | Sharvani Kuldheep Patil | FY BSc | ♀ | ♀ | ♀ | ♀ | ♀ |
| 4. | Pratham Pradip Sawant | FY BSc | ♂ | ♂ | ♂ | ♂ | ♂ |
| 5. | Diksha Yuvraj Kumbhar | FY BSc | Kumbhar | Kumbhar | Kumbhar | Kumbhar | Kumbhar |
| 6. | Sanika Sanjay Kumbhar | FY BSc | s.s.kumbhar | s.s.kumbhar | s.s.kumbhar | s.s.kumbhar | s.s.kumbhar |
| 7. | Shravani Dhimazav Bavache | BSc-FY | SEB | SEB | SEB | SEB | SEB |
| 8. | Poonam Narsu Patil | BSc-fy | Ppatil | Ppatil | Ppatil | Ppatil | Ppatil |
| 9. | Gayatri Gunde Kangralkar | BSc-FY | KG | KG | KG | KG | KG |
| 10. | Sai Chandrakant Chougale | BSc-fy | s.c.chougale | s.c.chougale | s.c.chougale | s.c.chougale | s.c.chougale |
| 11. | Lekhani Madhav Khattar | MD | MD | MD | MD | MD | MD |
| 12. | ANUSHA SUNIL SHETE. | AS | AS | AS | AS | AS | AS |
| 13. | Sanika S. Parpolkar | SSP | SSP | SSP | SSP | SSP | SSP |
| 14. | Harshawardhan Zambare | B.com | HZambare | HZambare | HZambare | HZambare | HZambare |
| 15. | Patil Harshad Kirnal | B.Sc. III | HKPatil | HKPatil | HKPatil | HKPatil | HKPatil |
| 16. | Yesh C. Raut | B.com III | YRaut | YRaut | YRaut | YRaut | YRaut |
| 17. | Rajkumar baban Karpe | B.Sc. III | RKKarpe | RKKarpe | RKKarpe | RKKarpe | RKKarpe |
| 18. | Dnyaneshwar. Gogul. | B.Sc III | DGogul | DGogul | | | DGogul |
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Hisharsh
HEAD
Department of Mathematics
Vivekanand College, Kolhapur

Value Added Course :- Result

| Score | Name: | Class: |
|---------|-----------------------------|-----------------|
| 8 / 20 | Priyanka Govinda suryvanshi | BSC Mathematics |
| 20 / 20 | Tejaswinee Anil Vibhute | B.com III |
| 16 / 20 | Sai Abhijit Vaze | Bsc FY |
| 20 / 20 | Asham Imam Panhalkar | Bsc.3 |
| 14 / 20 | Varsha Yashavant Panhalkar | Bsc-III |
| 12 / 20 | Sourabh Sanjay Vadar | B.Sc-3rd |
| 20 / 20 | Rajvardhan Desai | B.com 3 |
| 14 / 20 | Yash Chandrakant Raut | B.com 3rd year |
| 14 / 20 | Chavan Dhanshri Popat | Bsc 3 |
| 10 / 20 | Rajkumar Baban Karape | B.Sc III |



hithoret
HEAD
Department of Mathematics
Vivekanand College, Kolhapur

“ज्ञान, विज्ञान आणि स्कार यांसाठी शिक्षण प्रसार” – शिक्षणमहर्षी डॉ. बापूजी साबुंखे

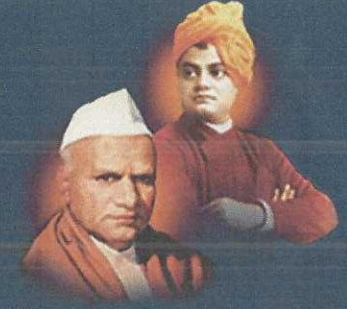
Shri Swami Vivekanand Shikshan Sanstha, Kolhapur.



VIVEKANAND COLLEGE, KOLHAPUR (Autonomous)

Affiliated to Shivaji University

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



Value added course

“Mathematics for Competitive Examination”

Organised by

Department Of Mathematics

CERTIFICATE

This is to certify that,

of Vivekanand College, Kolhapur (Autonomous) has successfully completed value added course “Mathematics for Competitive Examination” in year 2022-2023 organized by Department of Mathematics , Vivekanand College, Kolhapur(Autonomous).

Mr. S. P. Thorat

Convenor

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

Dr. R. R. Kumbhar

Principal

Vivekanand College,
Kolhapur (Autonomous)



"Education for Knowledge, Science, and Culture"

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur
(Autonomous)**



2022-23

Report: Value Added Course



1. **Name of Department** : Mathematics
2. **Name of Organized Activity** : Value Added Course
(Mathematics for Competitive Examination)
3. **Date/ Duration** : 17/02/2023 – 30/ 05/2023.

4. **Aims and Objectives** : 1. Development of basic concepts of Mathematics.
2. Acquire knowledge of mathematics for competitive examination.

5. **No. of beneficiaries** : Total = 21

| | | |
|----------|--------|----|
| Students | Male | 09 |
| | Female | 12 |

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 2022-2023 for final year students of graduation of all streams. Under this course 25 lectures were arranged on syllabus of course. Faculty of mathematics conducted the lectures during 17/02/2023 – 30/ 05/2023 at 09: 30 AM to 11: 30 AM. Students from arts, commerce and science attended this course and thankful to organiser Mr. S. P. Thorat (Head of Dept. of Mathematics, Vivekanand College, Kolhapur (Autonomous)). Exam was conducted on 05/07/2023 to which out of 21 students 10 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.

G.B. Kolhe

S. P. Thorat
HEAD

Department of Mathematics
Vivekanand College, Kolhapur.