PROPOSAL

Date: 01/09/2021

То

The Principal

Dr. Kiran Save

Sonopant Dandekar Arts, V.S. Apte Commerce and M.H. Mehta Science College,

Palghar.

Subject: Proposal for Organizing A Certificate Course In Mathematics For Competitive Exams "Quantitive Aptitude And Numerical Ability"

Organizer: Department of Mathematics

Proposed Day & Dates- Friday, 3rd September, 2021

CERTIFICATE COURSE IN MATHEMATICS FOR COMPETITIVE EXAMS

Programme	Quantitave Aptitude and Numerical Ability
Objectives	The main objective of this course is to prepare the students for the Quantitive Aptitude and Numerical Ability for the competitive exams like Talathi, MPSC Rajyaseva and MPSC combine, UPSC, Banking etc. and entrance exams like Law CET, MBA CET, MSWCET etc.
	 To impart the students with the knowledge of Mathematics starting from basic required for the competitive exams. Recognize the importance and value of Mathematical thinking and approach to problem solving. To develop knowledge and understanding of simple tricks to solve Mathematical problems in a given time limit. To make students aware of competitive exams and to develop positive attitude towards Mathematics as an interesting subject

	5) Be life-long learners who are able to expand independently their Mathematical expertise when needed.
Duration of Training	40 sessions (Each session of 1 hour)
Syllabus Committee	 Mrs.Dipali Mali (Course coordinator) Mr. Gulab Ramesh Deore (Guest lecturer, @successacademynashik) Mrs. Shirin Hadiya (Assistant professor, Mathematics Dept.) Ms. Nidhi Mali (Assistant professor, Mathematics Dept.)
Course Fees	Rs. 200/-
Eligibility	 Minimum HSC passed from any stream. Degree students of Arts/Commerce/Science/IT/BMS.
Testing	 Assignments will be given topic wise and assessed time to time. Total evaluation will be out of 100 marks. After completion of course there will be objective test out of 60 marks based on the syllabus and 40 marks on internal (30 marks for assignments, 05 marks for the attendance and 05 marks for viva.)
Certificate	After successful completion of the course, participants will get certificate from college.
Advisory Committee	 Dr.Kiran Save (Principal) Prof. Mahesh Deshmukh (IQAC Coordinator) Mrs.Dipali Mali (Course Coordinator, Mathematics dept.)

	Contents	No. of Sessions
		(Each session is of 1 hour)
	Addition	02
	Subtraction	01
	Multiplication	02
	Division	02
	Square and Square roots	02
	Cube and Cube roots	02
	LCM & HCF	02
Course	Fractions	02
Content	Decimal System	01
	Decimal Fraction	02
	Number System	01

	Simplification	01
	Percentage	02
	Average	02
	Problems on Age	02
	Profit & Loss	02
	Simple interest & Compound interest	02
	Time & Work	02
	Time & Speed	02
	Area of cube, cuboids, triangle, rectangle,	02
	square, sphere and circle	
	Mixture	02
	Numerical series	02
Total Number		40
of Session		
Teaching	• Mr. Gulab Ramesh Deore (Guest lecturer, G	@successacademynashik)
Faculties	Mrs. Dipali Mali (Course Coordinator, Mat	hematics dept.)
	• Mrs. Shirin Hadiya (Assistant professor, M	lathematics Dept.)
	Ms. Nidhi Mali (Assistant professor, Mathe	ematics Dept.)

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MDeshmukh

Mrs.Dipali Mali

Head &Course coordinator

Prof. Mahesh Deshmukh

(IQAC coordinator)

PRINCIPAL Sonopan DocKitcan JASa College, V.S. Apte Commerce College & M.H. Mehta (Principal) llege PALGHAR (W.R.) Dist. Palghar, Pin-401404

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NOTICE

Department of Mathematics, S.D.S.M College, Palghar

CERTIFICATE COURSE for competitive exams

All the students of Senior College (Arts, Commerce, Science, IT& BMS) are hereby informed that Considering importance of Mathematics in Government Exams like *Talathi*, *MPSC Rajyaseva*, *MPSC Combine*, *UPSC*, *Banking etc.and Entrance exams like CET for Law*, *MBA*, *MSW etc*. the Department of Mathematics is starting a Certificate Course for competitive exams(Quantitative Aptitude and Numerical Ability) from September 2021.

Enrolment for the above course should be done on or before 3rd September 2021 through the Google form link given below.

For the payment of Course Fee Rs. 200/- payment link will be provided after the completion of registration process.

After successful completion of the course, participants will get certificate from the college.

Google form link for the Registration:

https://forms.gle/EPpGEk8DMhoqnr4i6

Mrs.Dipali Mali

Head &Course coordinator

Dept. of Mathematics

MDeshmukh

Prof. Mahesh Deshmukh

(IQAC coordinator)

Sonopan DraKiran JASa vollege, V.S. Apte Commerce College & IA.H. Mehta (Principal) llege PALGHAR (W.R.) Dist. Palghar, Pin-401404

PRINCIPAL

Brochure



Course Content

CERTIFICATE COURSE IN MATHEMATICS FOR COMPETITIVE EXAMS

Programme	Quantitive Aptitude and Numerical Ability
Objectives	 The main objective of this course is to prepare the students for the Quantitive Aptitude and Numerical Ability for the competitive exams like Talathi, MPSC Rajyaseva and MPSC combine ,UPSC, Banking etc. and entrance exams like Law CET, MBA CET, MSWCET etc. 1. To impart the students with the knowledge of Mathematics starting from basic required for the competitive exams. 2. Recognize the importance and value of Mathematical thinking and approach to problem solving. 3. To develop knowledge and understanding of simple tricks to solve Mathematical problems in a given time limit. 4. To make students aware of competitive exams and to develop positive attitude towards Mathematics as an interesting subject. 5. Be life-long learners who are able to expand independently their Mathematical expertise when needed.
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Certificate	After successful completion of the course, participants will get certificate from college.

Advisory	1) Dr.Kiran Save (Principal)
Committee	2) Prof. Mahesh Deshmukh (IQAC Coordinator)
	3) Mrs.Dipali Mali (Course Coordinator, Mathematics dept.)

Course Syllabus

CERTIFICATE COURSE IN MATHEMATICS FOR COMPETITIVE EXAMS

	Contents	No. of Sessions
		(Each session is of 1 hour)
	Addition	02
	Subtraction	01
	Multiplication	02
	Division	02
	Square and Square roots	02
	Cube and Cube roots	02
	LCM & HCF	02
Course	Fractions	02
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	Decimal Fraction	02
	Number System	01
	Simplification	01
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	Problems on Age	02
	Profit & Loss	02
	Simple interest & Compound interest	02
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	Area of cube, cuboids, triangle, rectangle,	02
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Faculties	• Mrs. Dipali Mali (Course Coordinator, Ma	thematics dept.)
	• Mrs. Shirin Hadiya (Assistant professor, N	fathematics Dept.)
	• Ms. Nidhi Mali (Assistant professor, Mathe	ematics Dept.)

Sr.No.	Name of the student
1	Chetana K. Lahane
2	Sarangee S. Gharat
3	Vijaylaxmi U. Tiwari
4	Geeta P. Suthar
5	Dipti R. Gharat
6	Sarika S. Vanga
7	Swapnil N. Guroda
8	Jasbir Kaur
9	SanjanaJha

List of the Students Enrolled

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(Mrs. Dipali Mali) HOD, Dept. of Mathematics Sonopant Dandekar College, Palghar



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CERTIFICATE COURSE IN MATHEMATICS FOR COMPETITIVE EXAMS

		Name of the		No. of Sessions
Sr. No.		Faculty		
	Contents		Date	(Each session is of 1
				hour)
1	Addition	Dipali Mali	18-09-2021	02
2	Subtraction	Dipali Mali	19-09-2021	01
3	Multiplication	Dipali Mali	19-09-2021&	02
			25-09-2021	
4	Division	Dipali Mali	26-09-2021	02
5	Square and	Dipali Mali	03-10-2021	02
	Square roots			
6	Cube and Cube	Dipali Mali	03-10-2021	01
	roots			
7	LCM & HCF	Shirin Hadiya	09-10-2021 &	02
			10-10-2021	
8	Fractions	Shirin Hadiya	16-10-2021	02
9	Decimal System	Shirin Hadiya	17-10-2021	01
10	Decimal	Shirin Hadiya	27-11-2021	02
	Fraction			
11	Number System	Shirin Hadiya	28-11-2021	01
12	Simplification	Shirin Hadiya	04-12-2021	01
13	Percentage	Shirin Hadiya	05-12-2021	02
14	Average	Nidhi Mali	12-11-2021	02
15	Problems on	Nidhi Mali	19-12-2021&	02
	Age		26-12-2021	
16	Profit & Loss	Nidhi Mali	26-01-2022	02
17	Simple interest	Nidhi Mali	10-02-2022 &	02
	& Compound		17-02-2022	
	interest			
18	Time & Work	Dipali Mali	28-01-2022 &	02

		31-01-2022	
Time & Speed	Shirin Hadiya	01-02-2022 &	02
_		02-02-2022	
Area of cube,	Dipali Mali	23-02-2022	02
cuboids,	-		
triangle,			
rectangle,			
square, sphere			
and circle			
Mixture	Dipali Mali	31-01-2022	01
Numerical series	Shirin Hadiya	08-02-2022 &	02
	& Nidhi Mali	09-02-2022	
			40
	Time & Speed Area of cube, cuboids, triangle, rectangle, square, sphere and circle Mixture Numerical series	Time & SpeedShirin HadiyaArea of cube, cuboids, triangle, rectangle, square, sphere and circleDipali MaliMixtureDipali MaliNumerical seriesShirin Hadiya & Nidhi Mali	Image: matrix speedShirin Hadiya31-01-2022 01-02-2022 02-02-2022Area of cube, cuboids, triangle, rectangle, square, sphere

Certificate



Report

The Certificate Course in Mathematical Concepts for Competitive Exams provided a comprehensive overview of essential mathematical concepts crucial for competitive exams. The course covered key topics such as number systems, arithmetic, algebra, geometry, and data interpretation through a combination of lectures, tutorials, and hands-on practical exercises. Emphasis was placed on enhancing problem-solving skills, speed, and accuracy.

Course Structure

- **Duration:** 45 hours
- Format: Lectures, discussions, case studies, tests
- Date of Commencement: 18/09/2021
- **Date of Completion:** 23/02/2022

Assessment Methods

- Theory Exam: 60 Marks (30 questions, 2 marks each)
- Assignment Work: 40 Marks

A total of 9 students successfully completed the course. The assessment included quizzes, theory exams, and assignments to ensure continuous learning and improvement.

(Mrs. Dipali Mali) HOD, Dept. of Mathematics Sonopant Dandekar College, Palghar