



FATIMA COLLEGE (AUTONOMOUS)

DEPARTMENT OF MATHEMATICS(SF)

VALUE ADDED CRASH COURSE ON

CONCRETE MATHEMATICS 2023-2024

YOUNG ASPIRANTS FOR COMPETITIVE EXAMS AND CAMPUS PLACEMENT

OPEN TO ALL

FOR CONTACT

9360617598

30 HOURS

VALUE ADDED CERTIFICATE COURSE

EMPLOYABILITY-60%

SKILL DEVELOPMENT-40%

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
USMA	22UGVACG1	CONCRETE MATHEMATICS	Lecture	4	2

COURSE DESCRIPTION

This course is designed to help the students to appear in competitive examinations.

COURSE OBJECTIVES

The aim of the course is to help the students to solve problems on numbers, ages and trains, illustrate profit and loss with examples, explain partnership and related problems, discuss problems on time and work and distances.

UNIT I: PROBLEMS ON NUMBERS, AGES AND TRAINS

Divisibility rules- LCM& HCF-unit digit-Arithmetic &Geometric Progression- Problems on ages-Problems on two trains moving on same direction- Problems on two trains moving on opposite direction.

UNIT II: PIPES AND CISTERNS

Problems on pipes & cisterns - shortcuts.

UNIT III: PROFIT AND LOSS

Profit and Loss: Cost Price – Selling Price – Profit or Gain – Loss – Gain percentage - Loss percentage.

UNIT IV: PARTNERSHIP

Partnership – Ratio of Division of Gains – Working and Sleeping Partners.

UNIT V: TIME & WORK AND TIME & DISTANCE Time and Work:

Important facts and formulae on time and work -Problems.

Time and Distance: Important facts and formulae on speed, time and distance – Problems.

Text Book:

R. S. Agarwal, Quantitative Aptitude for Competitive Examinations, S. Chand & Company Ltd, Revised Edition 2008.

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 PROBLEMS ON AGES				
1.1	Problems related with ages	3	Chalk & Talk	Green Board
1.2	Problems related with ages	3	Chalk & Talk	Green Board
UNIT -2 PROFIT AND LOSS				
2.1	Cost Price – Selling Price	2	Chalk & Talk	Green Board
2.2	Profit or Gain – Loss	2	Chalk & Talk	Green Board
2.3	Gain percentage - Loss percentage	2	Chalk & Talk	Green Board
UNIT -3 PARTNERSHIP				
3.1	Partnership – Ratio of Division of Gains	4	Chalk & Talk and Discussion	Green Board
3.1	Partnership – Ratio of Division of Gains	4	Chalk & Talk and Discussion	Green Board
3.2	Working and Sleeping Partners	4	Chalk & Talk	Green Board

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT - 4 TIME & WORK				
4.1	Important facts and formulae on time and work	3	Chalk & Talk	Green Board
4.2	Problems	3	Chalk & Talk	Green Board
UNIT -5 TIME & DISTANCE				
5.1	Important facts and formulae on time and distance	3	Chalk & Talk	Green Board
5.2	Problems	3	Chalk & Talk	Green Board

✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy are :**

K1- Remember, **K2-**Understand, **K3-**Apply, **K4-**Analyse

COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Solve problems on ages	K1	PSO1
CO 2	Illustrate profit and loss with examples	K1, K2,	PSO3
CO 3	Explain partnership and related problems	K1 & K3	PSO5
CO 4	Discuss problems on time and work	K1, K2, K3	PSO4
CO 5	Solve problems on time and distance	K2 & K4	PSO2

Mapping COs Consistency with PSOs

CO/ PSO	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	3	2	2	2	2
CO2	2	2	3	2	2
CO3	2	2	2	2	3
CO4	2	3	2	2	2
CO5	2	2	2	3	2

Mapping COs Consistency with POs

CO/ PO	PO1	PO2	PO3	PO4
CO1	3	2	2	2
CO2	2	3	2	2
CO3	2	2	3	2
CO4	2	3	2	2
CO5	2	2	2	3

Note: ♦ Strongly Correlated – **3** ♦ Moderately Correlated – **2**
 ♦ Weakly Correlated -**1**

Forwarded by:

1.Ms. P. Dhana Priya

(Dr. V. Vanitha)

HOD's

Signature & Name

Sl. No.	Register No.	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Signature	Date
1	2022ST04	Abinaya . K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
2	2022ST05	Akshaya . S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
3	2022ST05	Birundha . G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
4	2022ST03	Devashree . S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
5	2022ST09	Havini . B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
6	2022ST01	Harshini . V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
7	2022ST12	Jahanna Shree . A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
8	2022ST14	Lakshmi Pratha . G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
9	2022ST15	Megha . N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
10	2022ST16	Parvitha . J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
11	2022ST17	Rathika . M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
12	2022ST18	Sangeetha . S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
13	2022ST14	Subalokshmi . G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
14	2022ST22	Sumaiya Ramu . S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
15	2022ST23	Tharishasiva Sree . S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
16	2022ST24	Tharshini . T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
17	2022ST25	Thundral . S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
18	2022ST26	Yegalakshmi . N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
19	2022ST23	Gayathri . G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
20	2022ST28	Karthika devi . M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
21	2022MB05	Arthilakshmi . S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
22	2022MB04	Anuradha . A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
23	2022MB09	Dhanya . D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
24	2022MB13	Havini Priya . S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
25	2022MB14	Janani . K . P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
26	2022MB19	Naganandhini . G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
27	2022MB20	Nandhika . K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
28	2022MB21	Nandhika . V . P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
29	2022MB25	Pruthi . M . S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
30	2022MB26	Rabiya . A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
31	2022MB28	Rathini . M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
32	2022MB29	Rubani . M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
33	2022MB33	Shree Lakshmi . J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
34	2022MB37	Vaishnavi . K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		

Checked by
Dr. R. Suresh (M.Sc.)
20/12/24



FATIMA COLLEGE

(Autonomous)

Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

DEPARTMENT OF MATHEMATICS(SF)

Value added Courses - Course Teacher Name List

S. No.	Course Title with Course Code	Course Teacher	No. of Hours Taken
1.	Concrete Mathematics 22UGVACG1	Ms. P. Dhanapriya	30

Signature of the HOD with Seal

Dr. V. VANITHA

M.Sc, M.Phil, B.Ed, ACIM, SET, Ph.D

Head & Assistant Professor

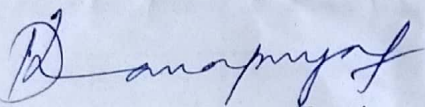
Department of Mathematics(SF)

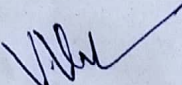
Fatima College, Madurai - 625018

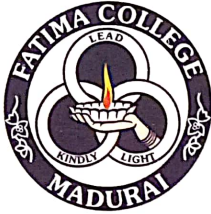
1.3.3 Number of Students Enrolled in the Courses under 1.3.2

	Programme Name	Course Code	Course Title	Register Number	Name
1	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST01	Abinaya. K
2	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST03	Akshaya. S
3	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST05	Birundha. G
4	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST07	Devashree. S
5	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST09	Harini. B
6	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST11	Harshini. V
7	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST12	Jaharnashree. A
8	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST14	Lakshmi Prabha. G
9	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST15	Megha. N
10	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST16	Pavithra. J
11	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST17	Rathika. M
12	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST18	Sangeswari. S
13	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST21	Subhalakshmi. G
14	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST22	Sumaiya Banu. S
15	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST23	Thanisha Sivashree. S
16	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST24	Tharshini. T
17	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST25	Thendral. S
18	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST26	Yoga Lakshimi. N
19	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST27	Santhiya. G
20	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022ST28	Karthika Devi
21	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB04	Arunadevi. A
22	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB05	Athilakshmi. S
23	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB09	Dhalanya. D

24	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB13	Harini Priya. S
25	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB14	Janani. K. P
26	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB19	Naganandhini. G
27	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB20	Nandhika. K
28	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB21	Nandhitha.V. P
29	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB25	Prethipa. M. S
30	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB26	Rabiya. A
31	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB28	Rathisri. M
32	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB29	Rubbasri. M
33	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB33	Shri Lakshmi. J
34	MATHEMATICS	22UGVACG1	CONCRETE MATHEMATICS	2022MB37	Vaishnavi. K


 Signature of the Course Teacher


 Signature of the
 Head of the Department



FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
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MARY LAND, MADURAI- 625 018

This is to certify that Ms. ABINAYA . K - 2022ST01
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / First / [✓]Second class.


Co-ordinator


Head of the Department


Principal



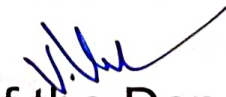


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This is to certify that Ms. AKSHAYA . S - 2022STD3
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / First / [✓]Second class.


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Head of the Department


Principal



This is to certify that Ms. BIRUNDHA G - 2022ST05

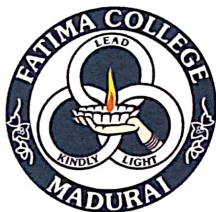
has successfully completed the Value Added Crash Course

Course on Concrete Mathematics offered by

Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / First / ~~Second~~ class.

Head of the Department

S. G. Chini Sahayg Meeny
Principal



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This is to certify that Ms. DEVASHREE S - 2022ST07
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / First / [✓] Second class.

[Signature]
Co-ordinator

[Signature]
Head of the Department

[Signature]
Principal





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This is to certify that Ms. HARINI B - 2022ST09
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / First / ☒ Second class.

Boopathy
Co-ordinator

[Signature]
Head of the Department

Se. G. Lini Sakunthala Mary
Principal





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MARY LAND,MADURAI- 625 018**

Borhy
Co-ordinator


Head of the Department

S. G. Chharia Sahaya Manjari
Principal



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This is to certify that Ms. JAHARNASHREE . A - 20228T12
has successfully completed the Value Added Crash course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / ~~First~~ / Second class. ✓

B. H. J.
Co-ordinator

Whe
Head of the Department

S. G. Lini Sathya Mary
Principal



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This is to certify that Ms. LAKSHMI PRABHA . G - 2022ST14
has successfully completed the Value Added Crash course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / ~~First~~ / ~~Second~~ class.


Co-ordinator


Head of the Department


Principal



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MARY LAND,MADURAI- 625 018

This is to certify that Ms. MEGHA . N - 20228T15
has successfully completed the Value Added Crash course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / ~~First~~ / Second class. ✓

B. P. S.
Co-ordinator

V. K.
Head of the Department

Se. G. L. Sathya Mani
Principal





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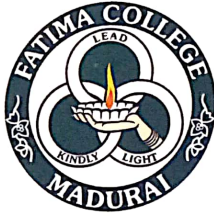
This is to certify that Ms. PAVITHRA . J - 2022ST16
has successfully completed the Value Added Crash course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / First / Second class. ✓

Bothy
Co-ordinator

V. K.
Head of the Department

S. G. L. Sathya Mary
Principal






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MARY LAND,MADURAI- 625 018

This is to certify that Ms. RATHIKA . M - 20228T17
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / First / Second class.


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This is to certify that Ms. SANGESWARI . S - 20228718
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / First / [✓] Second class.


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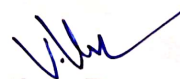
FATIMA COLLEGE (AUTONOMOUS)

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RE-ACCREDITED WITH 'A++' BY NAAC (CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. SUBHALAKSHMI. G - 20223T21
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / First / [✓]Second class.



Co-ordinator



Head of the Department



Principal






FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. SUMAIYA BANU.S - 2022ST22
has successfully completed the Value Added Crash course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / First / [✓] Second class.


Co-ordinator


Head of the Department


Principal



FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. THANISHA SIVASHREE .S - 2022ST23
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / First / Second class. ✓


Co-ordinator


Head of the Department


Principal



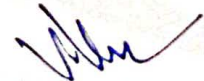


FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC (CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. THARSHINI . T - 2022ST24
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / First / ~~Second~~ class. ✓


Co-ordinator


Head of the Department


Principal



FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

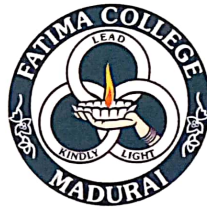
This is to certify that Ms. THENDRAL S - 202225
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / First / [✓]Second class.


Co-ordinator


Head of the Department


Principal





FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. YOGA LAKSHMI . N - 20228T26

has successfully completed the Value Added Crash Course

Course on Concrete Mathematics offered by

Department of Mathematics during the academic year

2023 - 2024 and has been awarded Distinction / First / ~~Second~~ class. ✓

Bothy
Co-ordinator

V. V. V.
Head of the Department

Se. G. Lini Sahaya Mary
Principal



FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. SANTHIYA . G - 2022ST27

has successfully completed the Value Added Crash Course

Course on Concrete Mathematics offered by

Department of Mathematics during the academic year

2023 - 2024 and has been awarded Distinction / ~~First~~ / Second class. ✓

B. J. Jeyaraj
Co-ordinator

V. Jeyaraj
Head of the Department

S. G. L. Sathya Mary
Principal





FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. KARTHIGA DEVI - 20228T28

has successfully completed the Value Added Crash Course

Course on Concrete Mathematics offered by

Department of Mathematics during the academic year

2023 - 2024 and has been awarded ~~Distinction~~ / ~~First~~ / [✓] Second class.


Co-ordinator


Head of the Department


Principal




FATIMA COLLEGE (AUTONOMOUS)

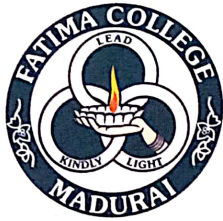
AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. ATHILAKSHMI . S - 2022MB05
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / ~~First~~ / ~~Second~~ class.


Co-ordinator


Head of the Department


Principal

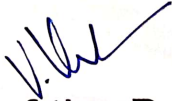


FATIMA COLLEGE(AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND,MADURAI- 625 018

This is to certify that Ms. ARUNADEVI. A - 2022MB04
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / First / ☒ Second class.


Co-ordinator


Head of the Department


Principal



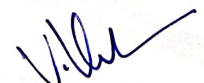


FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. DHALANYA . D - 2022MB09
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / ~~First~~ / Second class. ✓


Co-ordinator


Head of the Department


Principal

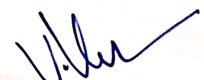


FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. HARINI PRIYA . S - 2022MB13
has successfully completed the Value Added Crash course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / ~~First~~ / [✓] Second class.


Co-ordinator


Head of the Department


Principal




FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. JANANI . K . P - 2022MB14
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of MATHEMATICS during the academic year
2023 - 2024 and has been awarded Distinction / First / Second class. ✓


Co-ordinator


Head of the Department


Principal



FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. NAGANANDHINI . G - 2022MB19

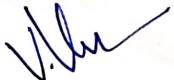
has successfully completed the Value Added Crash course

Course on Concrete Mathematics offered by

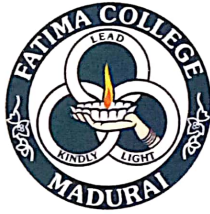
Department of Mathematics during the academic year

2023 - 2024 and has been awarded Distinction / First / ~~Second~~ class.


Co-ordinator


Head of the Department


Principal



FATIMA COLLEGE (AUTONOMOUS)

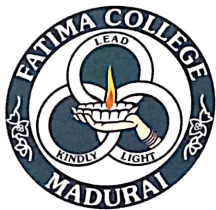
AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. NANDHIKA . K - 2022MB20
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of MATHEMATICS during the academic year
2023 - 2024 and has been awarded Distinction / ~~First~~ / ~~Second~~ class.


Co-ordinator


Head of the Department


Principal

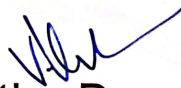


FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. NANDHITHA . V . P - 2022MB21
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / First / Second class. ✓


Co-ordinator


Head of the Department


Principal



FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. PRETHIPA . M . S - 2022MB25
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / ~~First~~ / [✓] Second class.


Co-ordinator


Head of the Department


Principal







FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. RABIYA . A - 2022MB26
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / ~~First~~ / [✓] Second class.


Co-ordinator


Head of the Department


Principal

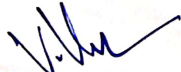


FATIMA COLLEGE(AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND,MADURAI- 625 018

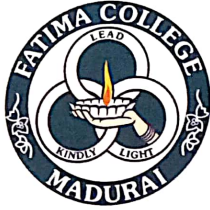
This is to certify that Ms. RATHISRI.M - 2022B28
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / First / [✓] Second class.


Co-ordinator


Head of the Department


Principal



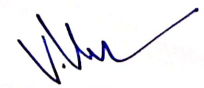


FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. RUBBASRI. M - 2022MB29
has successfully completed the Value Added Crash Course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / First / ☒ Second class.


Co-ordinator


Head of the Department


Principal



FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

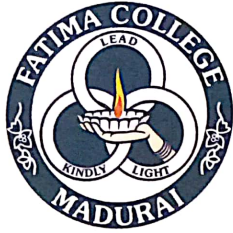
This is to certify that Ms. SHRI LAKSHMI. J - 2021MB33
has successfully completed the Value Added Crash course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded ~~Distinction~~ / First / ☒ Second class.


Co-ordinator


Head of the Department


Principal





FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
MARY LAND, MADURAI- 625 018

This is to certify that Ms. VAISHNAVI . K - 2022MB37
has successfully completed the Value Added Crash course
Course on Concrete Mathematics offered by
Department of Mathematics during the academic year
2023 - 2024 and has been awarded Distinction / First / Second class. ✓


Co-ordinator


Head of the Department


Principal





FATIMA COLLEGE

(Autonomous)

Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

DEPARTMENT OF MATHEMATICS(SF) VALUE ADDED COURSE-CRASH COURSE MARK STATEMENT

Course Title: CONCRETE MATHEMATICS Course Code:22UGVACG1

Staff In charge: Mrs. P. Dhanapriya

Strength: 34

Sl.No.	Reg.No.	Name of the student	Internal marks (40)	External Marks (60)	Total (100)
1	2022ST01	ABINAYA.K	22	31	53
2	2022ST03	AKSHAYA.S	30	13	43
3	2022ST05	BIRUNDHA.G	30	37	67
4	2022ST07	DEVASHREE.S	22	23	45
5	2022ST09	HARINI.B	32	25	57
6	2022ST11	HARSHINI.V	26	26	52
7	2022ST12	JAHARNASHREE.A	12	30	42
8	2022ST14	LAKSHMI PRABHA.G	40	51	91
9	2022ST15	MEGHA.N	18	23	41
10	2022ST16	PAVITHRA.J	24	33	57
11	2022ST17	RATHIKA.M	40	22	62
12	2022ST18	SANGESWARI.S	22	19	41
13	2022ST21	SUBHALAKSHMI.G	20	25	45
14	2022ST22	SUMAIYA BANU.S	18	23	41
15	2022ST23	THANISHA SIVASHREE.S	40	17	57
16	2022ST24	THARSHINI.T	40	27	67
17	2022ST25	THENDRAL.S	14	32	46
18	2022ST26	YOGA LAKSHMI.N	36	30	66
19	2022ST27	SANTHIYA.G	20	25	45
20	2022ST28	KARTHIKA DEVI	14	35	49
21	2022MB04	ARUNADEVI.A	30	21	51
22	2022MB05	ATHILAKSHMI.S	36	47	83
23	2022MB09	DHALANYA.D	30	11	41
24	2022MB13	HARINI PRIYA.S	20	20	40
25	2022MB14	JANANI.K.P	20	26	46
26	2022MB19	NAGANANDHINI.G	40	37	77
27	2022MB20	NANDHIKA.K	32	44	76
28	2022MB21	NANDHITHA.V.P	16	37	53
29	2022MB25	PRETHIPA.M.S	30	11	41
30	2022MB26	RABIYA.A	18	29	47
31	2022MB28	RATHISRI.M	30	20	50
32	2022MB29	RUBBASRI.M	40	17	57
33	2022MB33	SHRI LAKSHMI.J	24	29	53
34	2022MB37	VAISHNAVI.K	34	40	74

Staff In Charge

Head of the Department

Annual Quality Assurance Report (AQAR) (2023- 2024)



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