FATIMA COLLEGE (AUTONOMOUS), MADURAI

DEPARTMENT OF MATHEMATICS

2022-2023

DEPARTMENT OF MATHEMATICS OFFERS

VALUED ADDED CERTIFICATE COURSE ON

Quantitative and Qualitative Methods

 # It helps you to prepare for competitive examinations like TNPSC, TANCET,

MAT, Bank exams, Railway recruitment etc.

 # It helps you to solve arithmetical problems in real life situations

 # No. of Hours : 60

 # Course Fee : Rs. 1500/- only

Only 70 seats are available

Admission is according to **FIRST COME FIRST SERVE**

Rush up !!!

Come and join, Step into your Career

LAST DATE FOR REGISTRATION: 25th July 2022

VALUE ADDED CERTIFICATE COURSE

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
UAMA	22UGVACM1	Quantitative and Qualitative Methods	Lecture	4	2

COURSE DESCRIPTION COURSE DESCRIPTION

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

COURSE OBJECTIVES:

➤ Demonstrate the use of mathematical reasoning by justifying through numerical skills.

➤ Examine various techniques in solving the problems

COURSE OBJECTIVE

UNITS

UNIT I: PROBLEMS ON AGES, NUMBERS AND SIMPLIFICATION

[10 HRS]

Problems related with ages and numbers, Simplification of numbers

UNIT II: PROFIT AND LOSS, PERCENTAGE, RATIO AND PROPORTION

[12 HRS]

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

UNIT III: PARTNERSHIP, PERMUTATION AND COMBINATION   [12 HRS]

Partnership – Ratio of Division of Gains – Working and Sleeping Partners, Permutations and Combinations – formulae and problems.

UNIT IV: TIME & WORK, TIME AND DISTANCE   [12 HRS]

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

UNIT V: SIMPLE INTEREST & COMPOUND INTEREST   [14 HRS]

Simple Interest: Important facts and formulae on interest , sum, rate and time. Compound Interest: Important facts and formulae on amount when interest is compound: annually-Half-yearly-Quarterly

TEXT BOOK:

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

   UNIT I   : Chapter 4, 7 and 8

   UNIT II   : Chapter 10, 11 and 12

   UNIT III   : Chapter 13 and 30

   UNIT IV   : Chapter 15 and 17

   UNIT V   : Chapter 21 and 22

REFERENCE BOOKS:

1**.** S.K .Arora , S. Bhasin , Manish Puri - Objective Mathematics for all Competitive Examinations.

2. R.Gupta - Super Quicker Arithmetic.

COURSE OUTCOME

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	Construct the Problems on Ages quantitatively and Solve.	K1,K2&K3	PSO4
CO 2	Distinguish Profit and Loss problems and Solve	K2&K3	PSO5
CO 3	Solve Partnership Problems in Business	K1&k3	PSO3
CO 4	Identify Problems on Time, Work and Distance and Solve	K2&K3	PSO3
CO 5	Classify Simple Interest and Compound Interest problems and Solve	K1&k3	PSO5

Value added certificate course

QUANTITATIVE AND QUALITATIVE METHODS FOR COMPETITIVE EXAMINATIONS

Department of Mathematics

Fatima college Madurai

மாணவர் வருகைப் பதிவேடு

2022 – 2023

வகுப்பு : _____ பிரிவு : _____   20 _____ ஆண்டு _____ மாதம்

வரிசை எண்	பதிவு எண்	பெயர்		வருகை நாட்கள் Total (100)	குறிப்பு 15	15	10	60
1.	2020A52	Princy Ancitha	T	F 67	10	7	10	40
2.	2020A57	Rita Patricia	J	F 71	11	6	10	44
3.	2020A36	Jenifa cathrin	D	F 65	10	5	10	40
4.	2021A06	Arockia Lincy	M	D 83	13	8	10	52
5.	2021P42	Abirami	P.R	D 83	13	8	10	52
6.	2021P14	Jerlin	E	F 72	11	11	10	40
7.	2021P13	Jasmine Sahay Oviya	S	F 61	10	8	10	33
8.	2020N06	Divya pooja	K	F 70	10	6	10	44
9.	2020N10	Aiswarya	V	S 52	9	2	10	31
10.	2020N33	Subbulakshmi	S	F 65	10	5	10	40
11.	2021M58	Yohavi	R	D 83	13	8	10	52
12.	2021M02	Abirami	K	F 72	11	7	10	44
13.	2021M42	Roselin Priyatharshini	G	D 75	11	10	10	44
14.	2021M08	Benazeer Asslin	A.R	D 82	12	12	10	48
15.	2021M56	Vincy	M	S (53)	11	A	10	38
16.	2021M10	Delys marita	D	F 63	10	7	10	36
17.	2021M14	Jasmine	J	F 66	10	6	10	40
18.	2021M22	Kannika parameswari	B	F 73	8	7	10	48
19.	2021M70	Janani	M	F 68	10	8	10	40
20.	2021M01	Aashiya begum	M	S (49)	10	7	10	32
21.	2021M67	Rensilbiya	A	S (54)	10	6	10	28
22.	2021M61	Depancy	C	F 62	10	6	10	31
23.	2021M26	Mahalakshmi	S	F 72	11	11	10	40
24.	2021M32	Nandini Saroj	J	D 79	12	9	10	48
25.	2021M49	Sughasini	C	D 89	14	9	10	56
26.	2021M29	Minu Durga	P	F 63	10	7	10	36
27.	2021M44	Santhiya alias aswini	G	F 69	11	8	10	40
28.	2021M47	Sowndarya	B	D 77	13	6	10	48
29.	2021M25	Maha Lakshmi	A	D 86	14	10	10	52
30.	2021M68	Lakshmi	J	F 63	10	7	10	36

திளம் வந்தவர்கள் — காலை ஆஜர்/ரோல், மாலை ஆஜர்/ரோல்

மாதத்துவக்கத்தில் இருந்தவர்கள் _____ மாதத்தில் புதிதாக சேர்ந்தவர்கள் _____ மாதத்தில் விலகியவர்கள் _____ மாதத்தின் முடிவில் உள்ளவர்கள் _____ மாதத்தின் சராசரி பதிவு _____

மாதத்தில் சராசரி வருகை _____ மாதத்தில் வராதவர் சதவீதம் _____ பள்ளி வேலை நாட்கள் _____ பள்ளி விடுமுறை நாட்கள் _____

வகுப்பாசிரியர்

FATIMA COLLEGE

DEPARTMENT OF MATHEMATICS

Value Added Certificate Courses - Course Teacher Name list

S. No.	Course Title with Course Code	Course Teacher	No. of Hours Taken
1.	Quantitative and Qualitative Methods for Competitive Examinations - 22UGVACM1	Mrs. M. Teresa Nirmala	30
2.	Quantitative and Qualitative Methods for Competitive Examinations - 22UGVACM1	Dr. V. Vanitha	30

Signature of the HOD with Seal

Dr. A. Paulin Mary
Associate Professor & Head
Department of Mathematics
Fatima College (Autonomous)
Madurai - 625 018
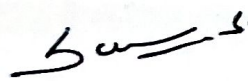
FATIMA COLLEGE (AUTONOMOUS)

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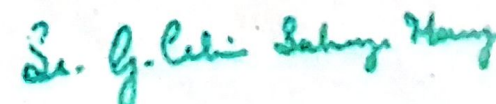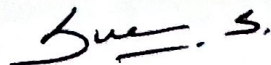MARY LAND, MADURAI- 625 018

DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _AROCKIYA LINCY·M (II B.COM)_ _____

has successfully completed the Value Added Certificate Course on

QUANTITATIVE AND QUALITATIVE METHODS FOR COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been
awarded Distinction / ~~First~~ / ~~Second class~~.

Co-ordinator

Head of the Department

Dr. Sr. G.Celine Sahaya Mary

Principal

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _ABIRAMI . P. R_ (II B.SC PHYSICS) _____

has successfully completed the Value Added Certificate Course on

QUANTITATIVE AND QUALITATIVE METHODS FOR
COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been
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Co-ordinator

Head of the Department

Dr. Sr. G.Celine Sahaya Mary

Principal

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _JERLIN · E (II B.SC PHYSICS)_ _____
has successfully completed the Value Added Certificate Course on

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Dr. Sr. G.Celine Sahaya Mary

Co-ordinator   Head of the Department   Principal
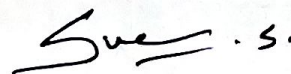
FATIMA COLLEGE (AUTONOMOUS)
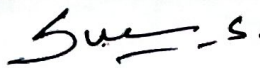
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MARY LAND,MADURAI- 625 018

DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _JASMINE SAHAY OVIYA . S (II B.Sc PHYSICS)_
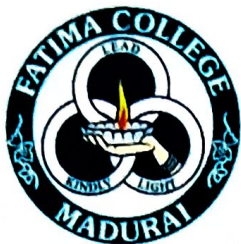has successfully completed the Value Added Certificate Course on

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Head of the Department

Dr. Sr. G.Celine Sahaya Mary
Principal

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _DIVYA POOJA . K (III B.SC HNN)_____

has successfully completed the Value Added Certificate Course on

QUANTITATIVE AND QUALITATIVE METHODS FOR
COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been

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Head of the Department

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _ISWARYA . V (III B.SC HNN)_____

has successfully completed the Value Added Certificate Course on

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COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been

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Co-ordinator

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Dr. Sr. G.Celine Sahaya Mary

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _SUBBULAKSHMI · S (III B·SC HNN)_____

has successfully completed the Value Added Certificate Course on

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. __YOHAVI . R   (II B.Sc MATHEMATICS)_____
has successfully completed the Value Added Certificate Course on

QUANTITATIVE AND QUALITATIVE METHODS FOR COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been
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Co-ordinator

Head of the Department

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _ABIRAMI.K (II B.SC MATHEMATICS)_____

has successfully completed the Value Added Certificate Course on

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Co-ordinator

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Dr. Sr. G.Celine Sahaya Mary
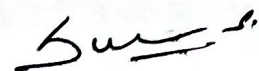Principal

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _ROSELIN PRIYATHARSHINI . G (II B.SC MATHEMATICS)_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

has successfully completed the Value Added Certificate Course on

QUANTITATIVE AND QUALITATIVE METHODS FOR COMPETITIVE EXAMINATIONS

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Dr. Sr. G.Celine Sahaya Mary

Co-ordinator   Head of the Department   Principal

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _BENAZEER ASSLIN · AR (II B.SC MATHEMATICS)_ _____

has successfully completed the Value Added Certificate Course on

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during the academic year 2022-2023 and has been

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Co-ordinator   Head of the Department   Dr. Sr. G.Celine Sahaya Mary

                                            Principal

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _VINCY·M (II B·SC MATHEMATICS)_ _____

has successfully completed the Value Added Certificate Course on

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during the academic year 2022-2023 and has been

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Co-ordinator

Head of the Department

Dr. Sr. G.Celine Sahaya Mary

Principal

FATIMA COLLEGE (AUTONOMOUS)

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _DELYS MARITA . D (II B.SC MATHEMATICS)_

has successfully completed the Value Added Certificate Course on

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COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been

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Dr. Sr. G.Celine Sahaya Mary

Co-ordinator   Head of the Department   Principal

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MARY LAND,MADURAI- 625 018

DEPARTMENT OF MATHEMATICS

This is to certify that Ms. ___JASMINE . J (II B.SC MATHEMATICS)_____
has successfully completed the Value Added Certificate Course on

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Co-ordinator

Head of the Department

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Principal

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MARY LAND,MADURAI- 625 018

DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _KANNIKA PARAMESWARI - B (II B.SC MATHEMATICS)_ has successfully completed the Value Added Certificate Course on

QUANTITATIVE AND QUALITATIVE METHODS FOR COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been awarded ~~Distinction~~ / First / ~~Second class~~.

Co-ordinator   Head of the Department   Dr. Sr. G.Celine Sahaya Mary
                                                        Principal

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. __JANANI. M   (II B.SC MATHEMATICS)__

has successfully completed the Value Added Certificate Course on

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Co-ordinator   Head of the Department

Dr. Sr. G.Celine Sahaya Mary

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _AASHIYA BEGUM . M (II B.SC MATHEMATICS)_____

has successfully completed the Value Added Certificate Course on

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Co-ordinator

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _Rensilibiya. A_ _(II B.Sc Mathematics)_
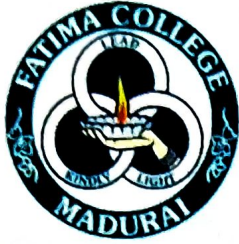has successfully completed the Value Added Certificate Course on

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. ___DEPANCY.C (II B.Sc MATHEMATICS)___

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Co-ordinator

Head of the Department

Dr. Sr. G.Celine Sahaya Mary

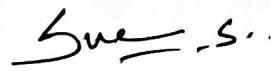Principal

FATIMA COLLEGE (AUTONOMOUS)

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _MAHALAKSHMI . S (II B.Sc MATHEMATICS)_

has successfully completed the Value Added Certificate Course on

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Co-ordinator   Head of the Department   Dr. Sr. G.Celine Sahaya Mary

Principal

FATIMA COLLEGE (AUTONOMOUS)

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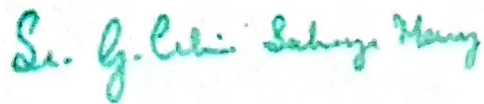MARY LAND, MADURAI- 625 018

DEPARTMENT OF MATHEMATICS

This is to certify that Ms. __NANDINI SAROJ . J (II B.SC MATHEMATICS)__
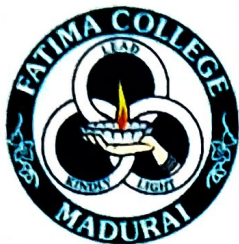has successfully completed the Value Added Certificate Course on

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Co-ordinator

Head of the Department

Dr. Sr. G.Celine Sahaya Mary

Principal

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _SUGHASINI . C (II B.SC. MATHEMATICS)_____
has successfully completed the Value Added Certificate Course on

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Principal
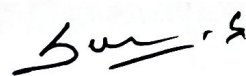
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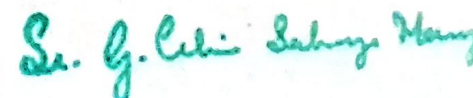MARY LAND,MADURAI- 625 018

DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _MINU DURGA . P (II B.SC MATHEMATICS)_____

has successfully completed the Value Added Certificate Course on

QUANTITATIVE AND QUALITATIVE METHODS FOR COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been

awarded ~~Distinction~~ / First / ~~Second class~~.

Co-ordinator   Head of the Department   Dr. Sr. G.Celine Sahaya Mary

Principal

FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC(CYCLE-IV)
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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _Santhiya Alias Aswini G (II B.sc Mathematics)_ has successfully completed the Value Added Certificate Course on

QUANTITATIVE AND QUALITATIVE METHODS FOR COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been awarded ~~Distinction~~ / First / ~~Second class~~.

Co-ordinator

Head of the Department

Dr. Sr. G.Celine Sahaya Mary
Principal

FATIMA COLLEGE (AUTONOMOUS)

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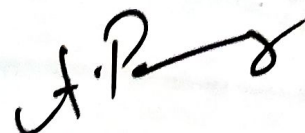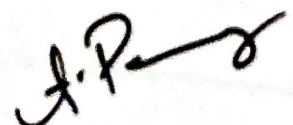MARY LAND, MADURAI- 625 018

DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _Sowndarya . B (II B.Sc Mathematics)_

has successfully completed the Value Added Certificate Course on

QUANTITATIVE AND QUALITATIVE METHODS FOR
COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been
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Co-ordinator

Head of the Department

Dr. Sr. G.Celine Sahaya Mary
Principal

FATIMA COLLEGE (AUTONOMOUS)

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DEPARTMENT OF MATHEMATICS

This is to certify that Ms. __MAHA LAKSHMI . A   (II B.SC MATHEMATICS)__
has successfully completed the Value Added Certificate Course on

QUANTITATIVE AND QUALITATIVE METHODS FOR
COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been
awarded Distinction / ~~First~~ / ~~Second class~~.

Co-ordinator

Head of the Department

Dr. Sr. G.Celine Sahaya Mary
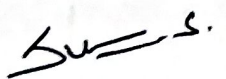Principal

FATIMA COLLEGE (AUTONOMOUS)

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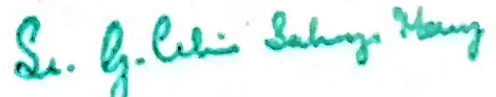MARY LAND, MADURAI- 625 018

DEPARTMENT OF MATHEMATICS

This is to certify that Ms. _LAKSHMI. J (II B.SC MATHEMATICS)_____

has successfully completed the Value Added Certificate Course on

QUANTITATIVE AND QUALITATIVE METHODS FOR COMPETITIVE EXAMINATIONS

during the academic year 2022-2023 and has been
awarded ~~Distinction~~ / First / ~~Second clas~~s.

Co-ordinator   Head of the Department   Dr. Sr. G.Celine Sahaya Mary

                                                        Principal