FATIMA COLLEGE (AUTONOMOUS), MADURAI

DEPARTMENT OF MATHEMATICS

2021 – 2022

DEPARTMENT OF MATHEMATICS OFFERS

VALUED ADDED CERTIFICATE COURSE ON

SPEED ARITHMETIC

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 2021

VALUE ADDED CERTIFICATE COURSE

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
UAMA	19UGVACM1	SPEED ARITHMETIC	Lecture	4	2

COURSE OUTCOME:

At the end of the course, the students will be able to

CO 1: Construct the Problems on Ages quantitatively and Solve.

CO 2: Distinguish Profit and Loss problems and Solve

CO 3: Solve Partnership Problems in Business

CO 4: Identify Problems on Time, Work and Distance and Solve

CO 5: Classify Simple Interest and Compound Interest problems and Solve.

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.

Forwarded By

(Dr.A.Paulin Mary)

HOD's

Signature & Name

மாணவர் வருகைப் பதிவேடு

2021-2022

வகுப்பு .... பிரிவு .... 20 .... ஆண்டு .... மாதம்

வரிசை எண்	பதிவு எண்	பெயர்		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	வருகை நாட்கள்	குறிப்பு
1.	2020M07	Arul Reeta	A	✓	✓	✓	✓		✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	a	a	✓	✓	✓	a							
2.	M19	Gowri	S	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	a	✓	✓	✓	✓	✓	✓	✓								
3.	M20	Harini	P	✓	✓	✓	a	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓									
4.	M21	Jenophiya	J	✓	✓	a	✓	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
5.	M30	Lokhavarshini	S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓										
6. (LEFT)	M36	Nikila Rosary		✓	a	✓	a	a	a	a	a	a	a	—				LEFT																		
7.	M38	Praveena	V	✓	a	✓	a	a	a	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓										
8.	M43	Rosy	S	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	a	a	✓	a	✓	✓	✓	✓										
9.	M53	Swetha	S	✓	a	✓	a	a	a	✓	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓											
10.	M66	Fathima	M	✓	a	✓	✓	a	a	✓	✓	a	✓	✓	✓	a	a	✓	✓	a	✓	✓	✓	✓	✓	a	✓	✓	✓							
11.	2020S11	Dhanushri	H	a	a	✓	✓	✓	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a							
12.	S16	Jayashri	S	a	✓	✓	✓	✓	a	✓	✓	a	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	a	✓	✓	✓	✓									
13.	S19	Kavitha	S	a	✓	a	✓	a	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	a	✓	✓	✓	a	✓	a	✓	a									
14.	S30	Sahana	S	a	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	a	✓	✓	✓	✓										
15.	M18	Gokila	J	a	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	a	✓	✓	a	✓	✓	✓	✓	✓										
16.	M24	Kavinaya	M	a	a	a	✓	a	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓									
17.	M45	Shalini	G	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓										
18.	M33	Maria Blessia	A	a	a	a	a	a	a	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓						

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

மாதத்தில் சராசரி வருகை .... மாதத்தில் வரவுகள் சதவிகிதம் .... பள்ளி வேலை நாட்கள் .... பள்ளி விடுமுறை நாட்கள் .... வகுப்பாசிரியர்

FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with 'A++' by NAAC (Cycle – IV)
Mary Land, Madurai

DEPARTMENT OF MATHEMATICS

Value added Certificate Course - Course Teacher Name list

S. No.	Course Title with Course Code	Course Teacher	No. of Hours Taken
1.	Speed Arithmetic 19UGVACM1	Mrs.M.Teresa Nirmala	30
		Dr.V.Vanitha	30

1. M.Teresa Nirmala

2. Vanitha

Course Teacher Signature

Signature of the HOD with Seal

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

DEPARTMENT OF MATHEMATICS

FATIMA COLLEGE (Autonomous)

Re-Accredited with "A++" Grade by NAAC (Cycle-IV)

Mary Land, Madurai - 625018.

This is to certify that Ms. ....Praveena. V......(II B.Sc Mathematics)...............

has successfully completed the Value Added Certificate Course on

SPEED ARITHMETIC

during the academic year 2021 - 2022 and has been
awarded Distinction / First / Second class.

Dr.Sr.G.Celine Sahaya Mary
Principal

Head of the Department

Co-ordinator