

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 !!!

Tome and join, Step into your Career

LAST DATE FOR REGISTRATION: 25th July 2021

VALUE ADDED CERTIFICATE COURSE

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGOR Y	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)

J.R

HOD's

Signature & Name

Va	lue Adde	d contificate c	ourse	1	SF	ER	D	1	RIT	HIN	1 F	710							D	LIV	HT.	m	En	1	of	1	MA	71	E	MI	97	165	F	A	TIN	MA COLLE	GE	MADURA
	eguių .									L	DII	60	OTO	வர்	ř		(ബ (150	ത	55 L	ו נ	Ja	g (വ	G	1											
accountries		Diag.						20	21:	- 19	0.4	55		-	Çî teste	4	110		17			DE TRACT	-	_	THE PARTY.	meters		7447										ibii gaib
nations cross	trains Trains	Gun			1000	Alle A	2 44/10	5 54/10	2 67/60	7 4/8	4/500 3	6/500 3	2 050	1787	NT 125/8		3/50 F	2 45/48	37/05	30,00	3/8/	7 18 /	12/0	3/81	1274	>28/9	7/65	24	25	26	27	28	29	30	31	வருகை நாக்கி	Tourisms.	19spin;
le	2020MOY	Arul Reeta	A	J.	, 1	1	1	1	1	a	1	1	1	1	1		,	,	1	1	1	1	a	1	a	a	1	1	1	a								
- 4		Growni	10		11	1	1	1	1	a	1	1	1	1	1		1	1	1	1	a	1	a	1	1	1	1	1	1	1							and transferred	
3.		Harine		23	1	1	1	a	1	1	1	a	1	1	1	I	1	1	1	1	1	1	1	1	1	a	1	1	1	1	THE REAL PROPERTY.							
_ A.		Jenophiya		I	1 9	4	a	a	a	1	1	1	1	1	1		1	,	1	1	1	1	1	1	1	1	1	1	1	1			-	_	-		-	a service de la constante de l
5	M30	Lokhavarshini	111	5	1	4	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	a	1	1	-	_	-	-	_			
6.	(LEPT)M36	Nikila Rosany Praveens	-	·V	10	4	a	a	a	a	a	a	a	-	-	-	-		L	EE	T				*******	-	-	-		_		-	-	-		-		
7.	Med	Praveena	-	·V	10	2	10	a	a	a	1	1	a	1	1		1	1	1	1	1	1	a	1	1	1	1	1	/	1	oral region of		-					-
- A	MHS	Swette		. 5	/	1	11	11	1	11	1	1	a	1	1	. 1	1	1	1	1	1	a	a	/	a	1	1	1		/			-		-		-	
9.			-	S.M.	10	4	0	a	a	1	a	a	1	1	1	-	1	1	1	1	1	1	1	1	1	1	a	1	1	1							-	
lo	Mhp	Fathima		·M	10	1	1	a	a	1	1	A	1	1	1	-	a	a	1	a	1	1	1	1	1	a	4	1	1	1	-	-	-	-	-		-	
11.	do20511	Dhanushri	1 1	H.	ala	1	1	1	0	a.	a	a	a	a	0		a	0	a	a	0	4	a	a	a	a	a	a	a	a				-				Land Control of the C
14.				5													1	1	a	1	1	1	1	1	0	/	1	1	1	1								
13 .	519	Jayashri	13.1	5	0	10	1	1	a	1	1	1	1	1	a		,	,	1	1	a	1	1	1	a	1	1	a	1	a								
14		Sahana	111	5	a /	1	1	1	a	1	1	1	1	1	1	-	1	1	1	1	a	1	1	1	a	/	1	1	1	1	-				-		-	
15.	40.10	Gokila	1 1 1	.1	+	+		+	1	1	,	4	10	1	1	+	1	,	1	0	,	,	0	1	,	1	,	1	1	-	-		-	-	-		-	
15.	MIR	Varia														-	1	1	-	1	1	1	1	1	1	1	1	1	1		-	-	-	-	-	-	-	
17	May	Kavinaya Shalini	1 1 1.	MG	2	-	1	1	1	1	1	1	1	1	,	1	1	1		1	1	1	a	1,	1	1	1				-		-		1		1	THE PROPERTY OF STREET
10	NIH'S	Maria Blessia	-	00	-	-	-	à	0	0	0	1	1	1	1		1	1	1	,	,	1	1	1	1	1	1	a		1	-	-		-	-		1	
16	A de la constante de la consta	AND CONTRACTOR CONTRACTOR CONTRACTOR	1.0							0	1			5	A			_		-						Ĺ	_	-							1		1	(Alankarra sunt av et al vent) is
			1 1 1		1		1	100	P	1	-6		1	1	53																							
			1311		1		1	1		1	1	1	A	1	A	1																						
			1 1 1			1	1	1	1	1	1		1	1			_		_	_				_														
		A North Color of the Constant Color Color	1111	1	1		10	1		10	1	1	1	1	1		_	_					_	_											1			
			1	9		1	1	1		1	1	1	1	,9	1		_	_	_	_	_	_	_		_	_	_		_		1							
					1	1	1	1		1		1	1	-	1		-	_			_	_			_				-		_				1			and the contract of the contra
-				6	1			1		1	1	A	1	1	(2)	-	_			_	_	1_	_	-	-	_			_	_	_	-		_	1			
	***************************************	The state of the same of the s		1	15	1	1	1		1	7	1	1	1	1	-	-	-	_	_	_	-	-	-	-	-	_	-	_	_	1	-		-	-			
agreement of the extra				1	15	1	1	20	-	1	0	5.	1			-	-	-	-	-	-	-	-	-	-	-	_	_	_	-	-	-	_	-	-		-	
		The second section of the section of the second section of the section of the second section of the secti		di l	11	1	1	1		35	1	10	1		19	-	-	-	-	-	-	-	-	-	-	_	_		-	-	-	-	_	-	1	1	-	
-			-	-	1	1:	8	Annie de la	u/			1	1	1		-	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	
-			-		-	1	-	1			-	1	1			1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
			************	11	1	13	B	1	3	*	-	1	1			-	-	-	-	-	-	-	-	+-	-	-	-	-	-	-	+	-	-	-	-	-	-	
		A transport to the second action of the second part		+	1	-	1	-	1		,	-	1	-			-	-		-	-	-	+	+-	-	-	-	-	-	-	-	-	-	-	-			
-		TO THE PROPERTY OF STREET		-	1	-	1	1	-	. 1	1	-	10	1		-	-	-	-	-	-	-	+	-	-	-	-	-	-	+	+	+	-	-	-		-	
-		A CONTRACTOR OF THE PROPERTY O		+	1	1	-	-		-	-	1	-	3	A	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	+	-		-	
		The Control of the Co		+	-	1	18	1				-	1			-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	+-	-		-	
-				-	+	-	-	-		-	181	-1	-	1	-	-	+	-		-	-	-	+	-	+	-	+	-	-	+-	-	-		-	-		-	
	THE PERSON NAMED IN COLUMN			-	+	-	-	-	No.		-		De La	zapa	-		352	-	-	-	-	-	-	-	-	-	-	-	-	-	=	-	-	-	-		-	
		9/(4)(0)	april }	W	s s	P	w	ul	ul	u	N	W	w	W	N		1	we		100	10	10	18	180	18	18	10	180	3	2	-							
600-1	ant part and	ME THAT SHARE IN THE	agrae }	9	12	31	12	340	2	2	3	2	9	0	3		2	3	2	3		12	3	2	2	2	2	2	2	31	W							970
		4DRMH40	-seast (1	1	T							C.	93	9						
normal.			Ografi 1		15		1	1	8	3	0	W	8	1							T	T							1			3	I					
யாதத்துவ	нарры Ворра	மர்கள் மாதத்தில் பு	Data Cons	BON'S	de		-	шпр	464	, ,0,	do.	arte	de	12252		1	LEAST.	2.2.6	oh "	rand	leto -	die	nad-	Leir		and the second	-	ICH .	nd di	city se	au ad	ugle	01	-		and the second second	i. stand	
மாதத்தில்	சராசரி வருகை	மாதத்தில் வ					(In.year	LHITE						d-direc-				pppp mil m								- Personal		,	- Prairie	in the same	3	- April	-				applie	สภิกษา



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	Mrs.M.Teresa Nirmala	30				
	19UGVACM1	Dr.V.Vanitha	30				

1. M. Teura Nil

4.00

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. PRAYEENA. V. (II B.8c 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

Celine Sanaya Mary Principal Head of the Department

- A

Co-ordinator