# Sri A.S.N.M GOVERNMENT COLLEGE (A), PALAKOL,W.G.DT.



# DEPARTMENT OF MATHEMATICS

# CERTIFICATE COURSE IN MATHEMATICS (2019-2020)

# "ARITHMETICAL ABILITY"

**COURSE COORDINATOR** 

Sri.K.SIVA KRISHNA, Lecturer in Mathematics

## CONTENTS

	Page No.
1) Minutes of the meeting	03
2) Circular	04
3) Report on Certificate course	05
4) Course Objectives	06
5) Expected program specific outcomes	06
6) Other details	
List of students enrolled & Time Table	7,8
> Attendance particulars	9,10
> Course Syllabus	11
Multiple choice question paper & Key	12-15
Marks Obtained	16
> Other details	17
Conclusion & References	17
> Photos	18-21
> Model Certificate	22

#### Minutes of the meeting

The Department of Mathematics staff held meeting on 31-01-2020 and passed resolution to organize certificate course that is on "Arithmetical Ability" under the guidelines of Sri K.Ramnarayana, In-Charge of Mathematics for 30 working days.

The certificate course in "Arithmetical Ability" was organized from 03-02-2020 to 20-02-2020 for the academic year 2019-2020 to the III B.Sc., III B.A, III B.Com students under curriculum enrichment programme.

#### Signature of the staff Members :

Sri K.Ramnarayana, In-Charge of Mathematics K.SIVA KRISHNA, Contract Lecturer in Mathematics D.R.R.SUDHAKAR, Guest Lecturer in Mathematics

Sk. SONAM, Guest Lecturer in Mathematics

Signature of the Principal

#### Circular

Certificate Course 31-01-2020 Notice Dear students. The Department of mathematics conducting a certificate course on "Arithemetical Ability" in our college. This course is useful ber all. groups. Classes will be started from 3-02-2020. Timings from 9AM to IDAM. So interreted studenty enroll yournames in this course. more petaily contact Mathematics Lectures3 1) K-Strankister 3) Sk. Sorem Signature of 7 Roug Sign of Inchange IBSCOMPC) - " IBSCIMPCS) -TBSCC820-IBA --- (4 IBcom - PS IGA - N TURSCIMPCS) K. Sival TIBCOM -P. Aug TIBSC All APCS TUBA TOBLOM-TUNOSK (MPC) (JBW)

#### Report on Certificate course Arithmetical Ability

### Introduction:

Department of Mathematics conducted a Certificate Course in Arithmetical Ability during the academic year 2019-2020 under curriculum enrichment Programme.

The basic Arithmetic skills include Addition, Subtraction, Multiplication and Division. Other arithmetic operations which are the basis for performing mathematical simplifications are Algebraic operations BODMAS, Fractions, Divisibility rules, LCM & GCD (HCF). Averages, Ratio and proportion, Problems on ages, Time-distance – speed. Percentages, Profit & Loss, Partnership, Simple Interest, Compound Interest.

While preparing for a competitive exam like ICET, BANKS, SSC, RRB it is common to feel panicked about the mathematical section which is a complex one to crack. The main purpose of adding the category of Quantitative Aptitude to a competitive exam is to test our ability to solve basic mathematical problems logically. For this, a good grasp of quantitative concepts with sufficient practice is needed. If students are planning to appear for a competitive test, students have come to the right place. In this course, students will elaborate on the key concepts of Maths for competitive exams along with helpful tips, tricks and\_math books for competitive exams students can employ to score better.

#### **Course Objectives:**

- Intended to inculcate quantitative analytical skills and reasoning as an inherent ability in students.
- To develop speed and accuracy in arithmetical calculation and computation.
- To impart a working knowledge of practical arithmetical applications which are useful in life.
- > To appreciate the use of arithmetic in daily life.
- To help in the learning of other branches and higher studies in mathematics.

#### Learning Outcomes of Arithmetical Ability

After successful completion of this course, the student will be able to;

- Understand the basic concepts of arithmetic ability, quantitative ability, business computations and data interpretation and obtain the associated skills.
- > Acquire competency in the use of algebraic operations (BODMAS).
- > Apply the skills and competencies acquired in the related areas
- Solve problems pertaining to quantitative ability, logical reasoning and verbal ability inside and outside the campus.

# Certificate Course Time Table 2019-2020

S.No	DATE	TIME	Name of the Lecturer
1	03-02-2020	9:00-10:00 AM	Sri K Siva Krishna
1	03-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
0	04-02-2020	9:00-10:00 AM	Sri K Siva Krishna
Z	04-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
0	06-02-2020	9:00-10:00 AM	Sri K Siva Krishna
3	06-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
4	07-02-2020	9:00-10:00 AM	Sri K Siva Krishna
4	07-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
~	10-02-2020	9:00-10:00 AM	Sri K Siva Krishna
Э	10-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
C	11-02-2020	9:00-10:00 AM	Kum.Sk. Sonam
6	11-02-2020	5:00 - 6:00 PM	Sri K Siva Krishna
7	12-02-2020	9:00-10:00 AM	Kum.Sk. Sonam
1	12-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
0	13-02-2020	9:00-10:00 AM	Kum.Sk. Sonam
0	13-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
0	14-02-2020	9:00-10:00 AM	Kum.Sk. Sonam
9	14-02-2020	5:00 - 6:00 PM	Sri K Siva Krishna
10	15-02-2020	9:00-10:00 AM	Kum.Sk. Sonam
10	15-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
11	17-02-2020	9:00-10:00 AM	Sri K Siva Krishna
11	17-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
19	18-02-2020	9:00-10:00 AM	Sri K Siva Krishna
12	18-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
19	19-02-2020	9:00-10:00 AM	Sri K Siva Krishna
10	19-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
14	20-02-2020	9:00-10:00 AM	Sri K Siva Krishna
14	20-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar
15	22-02-2020	9:00-10:00 AM	Sri K Siva Krishna
15	22-02-2020	5:00 - 6:00 PM	Sri D R R Sudhakar

## List of students enrolled in Certificate course on

S.No	Name of the Student	Class
1	T Pawan Kumar	II BA
2	M Satya Srivalli	II BA
3	M Ravi Babu	II BA
4	D Lavanya	II BA
5	A Surya Kumar	II BA
6	K Jeeva Kumar	II BA
7	B Rasul Prathap	II BA
8	J Sekhar Babu	I BCom(G)
9	K J V Naga Raju	I BCom(G)
10	V Satyendra	I BCom(CA)
11	R Praveen Sai	I BCom(CA)
12	G Narendra	I BCom(CA)
13	Ch Anusha	I BCom(CA)
14	D Mariya Devi	I BCom(CA)
15	U Sirisha	I BCom(CA)
16	G Krupa Jyothi	I BCom(CA)
17	R Sriram	III MPC
18	T Pawan Kumar	III MPC
19	G Siva Kumar	II MPC
20	P Sai Prasanna	II MPC
21	K Keerthi	II MPC
22	K Tulasi	II MPC
23	G Divya	II MPC
24	Y Sai Durga Bhavani	II MPC
25	R Sangeetha	II MPC
26	R Bhagyasri	II MPCs
27	K Priya Durga	II MPCs
28	T Srivalli	II MPCs
29	G Rupendra	I MPC
30	D Muddu Siva	I MPCs
31	V K Ganesh	I MPCs
32	V Shanmukha Sai	I MPCs
33	K Bhargavi	I MPCs
34	K Manikanta	I MCCs

## Attendance of students for Certificate Course- Arithmetical Ability

.0	Name of the	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
N.N.	student	03/	03/	04/	04/	06/	06/	07/	07/	10/	10/	11/	11/	12/	12/	13/
	T Deserve Versee	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02 D
1	T Pawan Kumar	p	р	р	p	p	A	A	P	A	Р	Р	P	A	Р	Р
2	M Satya Srivalli	Р	А	Р	Α	А	Р	Р	Α	Р	Р	А	Α	Р	Р	Р
3	M Ravi Babu	р	р	р	р	р	р	р	р	A	р	р	р	р	р	р
4	D Lavanya	р	р	р	Α	р	р	р	Α	р	р	р	р	Α	р	р
5	A Surya Kumar	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
6	K Jeeva Kumar	р	р	А	р	р	р	Α	р	р	р	р	Α	р	Α	А
7	B Rasul Prathap	р	Α	р	А	р	р	А	р	р	р	А	р	р	р	р
8	J Sekhar Babu	р	А	р	р	Α	р	р	Α	р	р	р	р	Α	р	р
9	K J V Naga Raju	р	р	р	Α	А	р	р	р	р	А	р	р	А	р	р
10	V Satyendra	р	А	р	р	А	А	р	р	р	А	р	р	р	Α	А
11	R Praveen Sai	р	р	р	р	р	р	А	р	р	р	р	А	р	р	р
12	G Narendra	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
13	Ch Anusha	р	А	р	р	р	р	р	Α	р	р	р	Α	р	р	р
14	D Mariya Devi	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
15	U Sirisha	р	А	р	А	р	р	р	р	р	р	А	р	р	р	р
16	G Krupa Jyothi	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
17	R Sriram	р	р	А	р	р	р	А	р	р	р	А	р	р	р	р
18	T Pawan Kumar	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
19	G Siva Kumar	р	А	р	р	А	р	р	р	А	р	р	р	р	А	А
20	P Sai Prasanna	р	р	р	р	р	р	р	А	р	р	р	р	р	р	р
21	K Keerthi	р	р	А	р	р	р	р	р	р	р	р	А	р	р	р
22	K Tulasi	р	А	р	р	р	р	р	А	р	р	р	р	А	р	р
23	G Divya	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
24	Y Sai Durga Bhavani	р	р	р	р	р	р	А	р	р	р	р	р	р	А	А
25	R Sangeetha	р	р	р	А	р	р	р	р	р	р	р	р	А	р	р
26	R Bhagyasri	р	р	А	р	р	А	р	р	р	р	А	р	р	р	р
27	K Priya Durga	р	р	р	р	р	А	р	р	р	р	р	Α	р	р	р
28	T Srivalli	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
29	G Rupendra	р	р	р	А	р	р	р	р	р	р	р	р	р	р	р
30	D Muddu Siva	р	р	р	р	р	р	А	р	р	р	р	А	р	р	р
31	V K Ganesh	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
32	V Shanmukha Sai	р	р	р	р	р	р	р	р	р	р	р	р	р	р	Р

9 | Page

N.	Name of the	16 13/	17 14/	18 14/	19 15/	20 15/	21 17/	22 17/	23 18/	24 18/	25 19/	26 19/	27 20/	28 20/	29 22/	30 22/
S	student	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02
1	T Pawan Kumar	р	р	р	р	р	Α	Α	Р	Α	Р	Р	Р	Α	Р	Р
2	M Satya Srivalli	Р	Α	Р	Α	А	Р	Р	А	Р	Р	А	Α	Р	Р	Р
3	M Ravi Babu	р	р	р	р	р	р	р	р	Α	р	р	р	р	р	р
4	D Lavanya	р	р	р	Α	р	р	р	А	р	р	р	р	Α	р	р
5	A Surya Kumar	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
6	K Jeeva Kumar	р	р	Α	р	р	р	А	р	р	р	р	Α	р	А	Α
7	B Rasul Prathap	р	А	р	А	р	р	А	р	р	р	А	р	р	р	р
8	J Sekhar Babu	р	А	р	р	А	р	р	А	р	р	р	р	Α	р	р
9	K J V Naga Raju	р	р	р	Α	А	р	р	р	р	А	р	р	А	р	р
10	V Satyendra	р	Α	р	р	А	Α	р	р	р	А	р	р	р	Α	А
11	R Praveen Sai	р	р	р	р	р	р	А	р	р	р	р	Α	р	р	р
12	G Narendra	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
13	Ch Anusha	р	А	р	р	р	р	р	А	р	р	р	А	р	р	р
14	D Mariya Devi	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
15	U Sirisha	р	А	р	А	р	р	р	р	р	р	А	р	р	р	р
16	G Krupa Jyothi	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
17	R Sriram	р	р	А	р	р	р	А	р	р	р	А	р	р	р	р
18	T Pawan Kumar	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
19	G Siva Kumar	р	А	р	р	А	р	р	р	А	р	р	р	р	А	А
20	P Sai Prasanna	р	р	р	р	р	р	р	А	р	р	р	р	р	р	р
21	K Keerthi	р	р	А	р	р	р	р	р	р	р	р	А	р	р	р
22	K Tulasi	р	А	р	р	р	р	р	А	р	р	р	р	А	р	р
23	G Divya	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
24	Y Sai Durga Bhavani	р	р	р	р	р	р	А	р	р	р	р	р	р	А	А
25	R Sangeetha	р	р	р	Α	р	р	р	р	р	р	р	р	А	р	р
26	R Bhagyasri	р	р	А	р	р	А	р	р	р	р	А	р	р	р	р
27	K Priya Durga	р	р	р	р	р	А	р	р	р	р	р	А	р	р	р
28	T Srivalli	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
29	G Rupendra	р	р	р	А	р	р	р	р	р	р	р	р	р	р	р
30	D Muddu Siva	р	р	р	р	р	р	А	р	р	р	р	А	р	р	р
31	V K Ganesh	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
32	V Shanmukha Sai	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
33	K Bhargavi	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р
34	K Manikanta	р	р	р	р	р	р	р	р	р	р	р	р	р	р	р

**10 |** Page

#### **Course Syllabus**

#### Unit-I

- 1. Numbers
- 2. Decimal Fractions
- 3. Simplifications
- 4. L.C.M & H.C.F

#### Unit –II

- 1. Average
- 2. Ratio and Proportion
- 3. Problems on Ages
- 4. Partnership

#### Unit –III

- 1. Percentage
- 2. Profit and Loss
- 3. Time and Work
- 4. Time and Distance

#### Unit –IV

- 1. Simple Interest
- 2. Compound Interest
- 3. Calendar
- 4. Clocks

#### TEXT BOOK:

BY

#### QUATITATIVE APTITUDE Dr.R.S.Aggarwal S.CHAND

	Question Paper	
Name of the Student:	Class:	Date:
Answer all the questions. Each q	uestion carries 2 Marks	$50 \ge 1 = 50$
1. The difference between the 856973 is [ ] a) 973 (b) 6973 (c) 5 Find the value of 2 [2 (f	place value and the face value 994 (d) none of these	ue of 6 in the numeral
2. Find the value of $2 - [2 - 3]$ (a) 4 (b) 6 (c) -2 3. Simplify $18 - [5 - {6 + 2(7)}]$	$4  (d) \text{ None} \\ -\overline{8-5}) \}].$	[ ]
(a) 13 (b) 15 (c) 27 (d) 4. The smallest prime number (a) 0 (b) 1 (c) 2 (d) 3	d) 32 is 3	[ ]
5. How many prime numbers a a) 16 (b) 15 (c) 14 (d) 1 6. 72519 X 9999	ure less than 50? .8	[ ]
(a) 725117481 (b) ( 7. The sum of first 45 natural r a) 1035 (b) 1280 (c) 2070	674217481 (c) 46851264 numbers is ) (d) 2140	81 (d) 696217481 [ ]
8. $(1^2+2^2+3^2++10^2)=?$ a) 2044 (b) 1022	(c) 1056 (d) nor	ne
9. If the number 481*673 is con number in place of * will be (a)2 (b) 6 (c) 7	(d) 5	the smallest whole [ ]
10. If the number 97215*6 is con number in place of * will be (a)2 (b) 3 (c) 1	mpletely divisible by 11, then (d) 5	n the smallest whole [ ]
11. The product of two numbers is	rs is 1320 and their H.C.F is	6. The L.C.M of the
a) 220 b) 283 c) 308 12 The H.C.F of two number	d) 318 is is 11 and their L.C.M is 7	700. if one of the
numbers is 275, then the a) 279 b) 283 c) 30	other is 8 d) 318	[ ]
13. The sum of the two numbe	rs is 12 and their product Is	35. What is the sum of
a) 12/35 b) 1/13	umbers? c) 35/8 d) 7/32	
14. The sum of the two numbers product of these Numbers	ers is 22 and their difference s? d) 92	e Is 14. Find the [ ]
15 . What is the L.C.M of 4/5,5 a) 140 b) 130 c) 12	5/6 and 7/15 0 d) 100	[ ]

16. David obtained 76.65.82.67 and 85 marks (out of 100) in English.	Maths.	
Physics, Chemistry and Biology. His average marks are	[	1
a) 65 b) 69 c) 72 d) 75	-	-
17. The average of 2,7,6 and x is 5 and the average of 18,1,6,x and y is	3 10.	
What is the value of y?	[	]
a) 5 b) 10 c) 20 d) 30		
18.The average of all odd numbers upto 100 is	[	]
a) 49 b) 49.5 c) 50 d) 51		
19. The average of first 50 Natural numbers is	[	]
a) 12.25 b) 21.25 c) 25 d) 25.5		
20. If A:B=5:7 and B:C=6:11 then A:B:C=	[	]
a) 55:77:66 b) 30:42:77 c) 35:49:42		
21. If A:B=3:4 and B:C=8:9 then A:C=	[	]
a) 1:3 b) 3:2 c) 2:3 d) 1:2		
22. Two numbers are in the Ratio 1:2 if 7 is added to both their ratio b	oecom(	es
to 3:5. The greatest number is	[	]
a) 24 b) 26 c) 28 d) 32		
23. Two numbers are in the Ratio 3:5 if 9 is subtracted from both their	ratio	
becomes to 12:23. The smaller number is	[	]
a) 27 b) 33 c) 49 d) 55		
24. The age of father 10 years ago was thrice the age of his son. Ten ye	ears	
hence, the father's age will be twice that of his son. The ratio of the	əir	
present ages is	[	]
a) 5:2 b)7:3 c) 9:2 d) 13:4		
25. Present age of X and Y are in the ratio 5:6 .Seven years hence this	ratio	
will becomes 6:7. What is X's present age?	[	]
a) 35 b) 42 c) 49 d) None		
26. Rajjev's age after 15 years will be 5 times his age 5 years back. Th	le pres	ent
age of Rajeev is	[	]
a) 10 y b) 15 y c) 20 y d) 25 y		
27. The sum of the ages of 5 children born at the intervals of 3 years e	each is	50
years. What is the age of the youngest child ?	[	]
a) 4 y b) 8 y c) 10 y d) 20 y		
28. A,B,C enter into a partnership investing Rs.35000,Rs.45000 and R	s.5500	00
respectively. Find the share of B in an annual profit of $\mathrm{RS.40,500}$ a	are [	]
a)Rs.13500 b)Rs.13000 c)Rs.14000 d )Rs.12500		
29. Anand and Deepak started a business investing Rs.22,500 and Rs	s.35,00	00
respectively. Out of total profit of Rs.13,800, Deepak's share is	[	]
a)Rs.5400 b)Rs.7200 c)Rs.8400 d)Rs.9600		

30. A man bought a cycle for Rs.750 a) 10 b) 12 c) 20 d) 15	and sold it for	Rs.675. find t	the Loss % [	]
31. A man buys a cycle for Rs.1400 a	and sells it at a	a loss of 15%. T	The selling p	rice
of the cycle is			]	]
a)1090 b) 1160 c) 1	.190 d)12	02	-	-
32. If the Cost Price of 12 pens is eq	ual to the selli	ng price of 8 p	ens, the gain	n
percent is			]	]
a) 25% b) 33 1/3% c) 5	60% d) 66	3 2/3%	Ľ	
33. Six tables and nine chairs cost F	ls.9900. if thre	e tables cost F	Rs.2700. wha	t is
the C.P of one chair			]	]
a)500 b) 480 c) 6	d) 58	50	-	-
34. The Simple interest earned on a	n amount of H	<b>k</b> s.16,800 in 9 r	nonths at th	e
rate of 6 ¼% p.a is			[	]
a)Rs.787.5 b)Rs.812.5 c)R	s.860 d)Rs.88	57.5		
35. 45% of 750 – 25% of 480= ?			[	]
a) 216 b) 217 c) 23	36 d)25	0		
36. 270 candidates appeared for an	examination, o	of Which 252 p	bassed. The p	bass
percentage is		1 /00 /	L	]
a) $80\%$ b) $83\frac{1}{2}\%$ c) $90\frac{1}{2}$	L/3% d)93	1/3% 49% of the h	ove and 200	oftho
girls passed. The percentage of	the total who	failed is	Joys and 50%	
a) 64 b) 68 c) 7	d d) no	one	L	1
38. Two fifth of one third of three-se	eventh of a nur	nber is 15. Wh	at is 40% of	that
number	,		[	]
a) 72 b) 84 c) 1	.36 d) 10	)5		
39. In an election a candidate who g	ot 84% of the	votes is elected	d by a major	ity of
476 votes.What is the total num	ber of votes po	lled ?	l	]
a) 672 b) 700 c) 7	d) 84	18		
40. A car moves at the speed of 80 k	m/h. Then the	speed of the ca	ar in meter p	er
second(m/s)			l	]
a) 8m/s b) 20 1/9m/s c) 22	2 2/9 m/s d) r	ion		
41. A car running at a speed of 108	kmph. What d	istance will it o	cover in 15	
Seconds?	- >		L	]
a) 45 m b) 55m c) 450 m	d) None			
42. A person crosses a 600 meter lor	ng streem in 5	min. Then his	speed in	-
kmph			l	]
a) 3.6 b) 7.2 c) 8.4 d) 10	)			
43. A man in a train notices that he	can count 21	elephone posts	s in one min	ute.
If they are known to be 50 meter	rs apart, then	at what speed :	is the train	
Travelling?			l	]

a) 55kmph b) 57kmph c) 60 kmph d) 63kmph		
44The Simple interest earned on an amount of Rs.16,800 in 9 months at th	e	
rate of 6 ¼% p.a is	[	]
a)Rs.787.5 b)Rs.812.5 c)Rs.860 d)Rs.887.5		
45. A sum of money at simple interest amount to Rs.815 in 3 years and Rs.85	4 in	
4 years. The sum is	[	]
a)Rs.650 b)Rs.690 c)Rs.698 d)Rs.600		
46. The compound interest on a sum of Rs.25000 after 3 years at the rate of		
12% p.a is	[	]
a)Rs.9000 b)Rs.9720 c)Rs.10123.20 d)none		
47. Find the Compound Interest on Rs.7500 at 4% p.a for 2 years	[	]
a)Rs.600 b)Rs.612 c)Rs.700 d) Rs.712		
48. Today is Monday. After 61 days it will be	[	]
a) Wednesday b) Saturday		
c) Tuesday d) Thursday		
49. What was the Day of the week on 15 <sup>th</sup> August, 1947	[	]
a) Wednesday b) Friday c) Tuesday d) Thursday		
50. How many times in a day are the hands of the clock in straight line but		
opposite in direction?	[	]
a) 20 b) 22 c) 24 d) 48		

S.No	Name of the Student	Class	Marks Obtained
1	T Pawan Kumar	II BA	38
2	M Satya Srivalli	II BA	48
3	M Ravi Babu	II BA	40
4	D Lavanya	II BA	39
5	A Surya Kumar	II BA	50
6	K Jeeva Kumar	II BA	42
7	B Rasul Prathap	II BA	35
8	J Sekhar Babu	I BCom(G)	43
9	K J V Naga Raju	I BCom(G)	46
10	V Satyendra	I BCom(CA)	41
11	R Praveen Sai	I BCom(CA)	39
12	G Narendra	I BCom(CA)	37
13	Ch Anusha	I BCom(CA)	43
14	D Mariya Devi	I BCom(CA)	42
15	U Sirisha	I BCom(CA)	39
16	G Krupa Jyothi	I BCom(CA)	43
17	R Sriram	III MPC	46
18	T Pawan Kumar	III MPC	48
19	G Siva Kumar	II MPC	50
20	P Sai Prasanna	II MPC	49
21	K Keerthi	II MPC	50
22	K Tulasi	II MPC	50
23	G Divya	II MPC	50
24	Y Sai Durga Bhavani	II MPC	47
25	R Sangeetha	II MPC	49
26	R Bhagyasri	II MPCs	46
27	K Priya Durga	II MPCs	49
28	T Srivalli	II MPCs	38
29	G Rupendra	I MPC	50
30	D Muddu Siva	I MPCs	50
31	V K Ganesh	I MPCs	47
32	V Shanmukha Sai	I MPCs	48
33	K Bhargavi	I MPCs	50
34	K Manikanta	I MCCs	50

Marks obtained in Arithmetical Ability Exam Date: 27-02-2022

## Other Details:

Duration of Course	:	30 Hours
Classes starting Date	:	03-02-2020
Classes ended Date	:	22-02-2020
Exam conducted on	:	27-02-2022
Classes Timings	:	9:00 AM – 10:00 AM & 5:00PM-6:00 PM
Resource Persons	:	1. Sri K. Siva Krishna
		2. Sri. D.R.R Sudhakar
		3. Kum. Sk. Sonam

## Conclusion:

This certificate course develops the mathematical concepts and technique which should serve as a preparation for more advanced quantitative courses. Students get foundation on arithmetical abilities before going for competitive coaching Centers.

APTITUDE c.R.S.Aggarwal ND

References :

BY

QUATITATIVE APTITUDE Dr.R.S.Aggarwal

## S.CHAND







#### PROGRAM INAUGARATION PHOTOS







VELADICTORY PROGRAM PHOTOS

5.00	NAME OF THE STUDENT	class	Received Ceptificate
	the second s	1.0.0	The kenewed with that
O	K. Bhangavi	Pst BSC (HACS)	k. Chargon (Received)
0	K. MANIKANTA	IN BSC (MCC)	k. manikant ( received)
3	v.k. Garesh	LAN 2854C	v. + - Garest [Not receive]
9.	G. Diyo	I BSC(MPC)	G. Diypa (Received)
6	P. Sai Pralama	I BSC (MPC)	1.1 prasanna (foceived)
G	k keerthi	J-B-Sc (MPC)	k. Koeathi (Received)
7.	R.Sangeetha	I.B.SC (HPC)	R. Sangeetko (secold)
8	G. Rupenolaa	1ª Rec (mRs	G. Queenston (Received).
9.	v.shanmucha sai	TBSC(MPCS)	V-Showetha Ser (Received)
10.	D Muddu Siva	TS+BSc(MPa)	Drul 2.0 (Received)
11.	J. Sekhar Este	Ist B. Com (G)	J- Sepher Cohn (not-secend)
12.	ch Anusha	ISTB. Confusio	ch. Anusha [Not Received]
13_	Gr. Koropa Jyothi	Php. Concroc	G. Jyothi (not received)
14.	Usirila	IstB. con (wa)	Usivielos aut receive)
5.	D. Horza Devi	ist B. con (vo)	D. Horiya Deni (Secercia)
16	K Tulasi	R BSCHPC)	K. TWASI ( RECEIVED)
17	18. Roshul protap	A RATHEN	B. Rashed Portop (Lot receive).
18-	D Lavanua	TB.A GHED	D haven a ( Not receive)
-79	1 Aquista	ECH (HEP)	M. Rai abril wot re Deing
20.	T. Povan kumar	ET BJC (MPC)	T. Povan humar (Received)
21	P. Socioran	IV BS. (mp.)	R. Sol grave (mot recei)
22.	A Soya prakaya	IT BACHED	Actor Chot vaest
_ 22	Kitceva Human	I D.A (HEP)	K. JCG Va Kumas / but rein
24	J. Pawan Humas	TBALHEF	J. Paurhen 2 mbraces
25	M. Babi Pravacn	ISt Biston	MBobgipronen (Received)
26.	M. satya snivall	TWORA_	M.S.S. Wall ( Not Seceril)
27	GI- Notion dra,	T.Barn	Gr. Normana. (Received)
28	Y. Satyeatra	T-B.COM	Y. Satzentra (not received)
- 99.	K.J.V. Nagasage	I' Bama	K-J.V.N. Rasty (Not Verile)
30	V.s.o.ghavani	D" BSCLMA	y. Bhavan (FUST Received)
1	(IIII)		y.



#### MODEL CERTIFICATE

