

To

The Principal
Govt.Degree College
Palakonda
Parvatipuram Manyam(Dist)

From

Dr Ch Raghavendra Naidu
Head of the Department of Mathematics
Govt.Degree College, Palakonda
Parvatipuram Manyam(Dist)

Respected Sir,

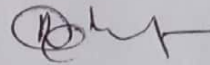
Sub :Request to accord permission to conduct Certificate course by Dept of Mathematics regd

Department of Mathematics would like to conduct a Certificate Course programme on ' Arithmetic Ability' of 30 hours duration for the students of 2nd B.Sc of GDC, Palakonda from 1st February 2022.

Hence I request you to accord permission to organize the above said programme in our department.

Thanking you Sir

Your's faithfully



(Dr Ch.Raghavendra Naidu)

Dr Ch Raghavendra Naidu
Govt Degree College
Palakonda
Lecturer in Mathematics
Govt Degree College
Palakonda - 532 440



PRINCIPAL
GOVT. DEGREE COLLEGE
PALAKONDA
Parvatipuram Manyam Dist.

Circular

Date:27-01-2022

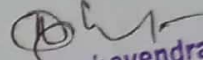
Department of Mathematics

The Department of Mathematics is going to conduct a Certificate Course in 'Arithmetic Ability' of 30 Hours duration programme for the students of 2nd B.Sc of GDC, Palakonda from 1st February 2022

There is no registration fee. After completion of this course a test will be conducted and certificate will be given those who got 40% marks in that exam

Hence interested candidates are advised to utilize the opportunity and approach Dr Ch.Raghavendra Naidu, Lecturer in Mathematics to enroll themselves in this course on or before 31-01-2022.

2nd B.Sc →


Dr Gh Raghavendra Naidu
M.Sc; Ph.D
Lecturer in Mathematics
Govt. Degree College
Palakonda - 532 440

COURSE OUTCOMES

1. Able to utilize BODMAS rule as an effective tool.
2. Able to do solve problems using shortcut methods.
3. Able to analyse the problem.
4. Able to use these techniques in real life problems.
5. Able to face the arithmetic part in competitive exams with more accurately.

Syllabus

Syllabus

UNIT-1

ALGEBRAIC OPERATIONS ,BODMAS, FRACTIONS, DECIMALS,
DIVISIBILITY RULES, LCM &HCF

UNIT-2

TIME-DISTANCE, SPEED, AVERAGES, RATIO AND PROPORTION, PROBLEMS ON AGES,

UNIT-3

PERCENTAGES , PROFIT & LOSS, PARTNERSHIP, SIMPLE AND COMPOUND INTEREST

Duration: 01-02-2022 to 10-03-2022

GOVERNMENT DEGREE COLLEGE, PALAKONDA.

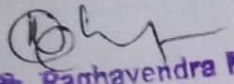
DEPARTMENT OF MATHEMATICS


CERTIFICATE COURSE ON ARITHMETIC ABILITY. AY 2021-22

Students Enrollment List.

S.No	Student Name	Regd No/ Hall Ticket No	Group	Signature of the Student
1	A.Pradeep Kumar	2022008052001	M.P.C	A. Pradeep Kumar
2	A.Mamatha	2022008052002	M.P.C	A Mamatha
3	A.Lokesh	2022008052003	M.P.C	A. Lokesh
4	B.Sravanthi	2022008052004	M.P.C	B sravanthi
5	B.Simhadri	2022008052005	M.P.C	B. Simhadri
6	B.Srinu	2022008052006	M.P.C	B. Srinu
7	B.Rama Krishna	2022008052007	M.P.C	B. Rama Krishna
8	B.Sailaja	2022008052009	M.P.C	B. sailaja.
9	B.Rajya Lakshmi	2022008052010	M.P.C	B. RAJYA LAKSHMI
10	D.Bhavani	2022008052014	M.P.C	D. Bhavani
11	D.Uma	2022008052015	M.P.C	D. Uma
12	G.Koteswara Rao	2022008052016	M.P.C	G. Koteswara Rao
13	G.Eswara Rao	2022008052018	M.P.C	G. Eswara Rao
14	G.Venkata Ramana	2022008052019	M.P.C	G. Venkata Ramana
15	K.Hemanth	2022008052021	M.P.C	K. Hemanth
16	K.Pavitra	2022008052022	M.P.C	K. Pavitra
17	K.Pavani	2022008052023	M.P.C	K. Pavani
18	K.Mahesh	2022008052024	M.P.C	K. Mahesh
19	K.Gowri Sankar	2022008052025	M.P.C	K. Gowri Sankar
20	L.Bhanu Prasad	2022008052026	M.P.C	L. Bhanu Prasad
21	L.Janardhana Rao	2022008052027	M.P.C	L Janardhana Rao
22	M.Triveni	2022008052029	M.P.C	M. Triveni
23	M.Kavya	2022008052031	M.P.C	M. Kavya
24	P.Dhilleswari	2022008052032	M.P.C	P. Dhilleswari

25	P.Harika	2022008052033	M.P.C	P. Harika
26	P.Sai Ram	2022008052034	M.P.C	P. Sai Ram
27	P.Dhana Lakshmi	2022008052035	M.P.C	P. Dhana Lakshmi
28	P.Siva Prasad	2022008052037	M.P.C	P. Siva Prasad
29	P.Bharathi	2022008052038	M.P.C	P. Bharathi
30	R.Kumari	2022008052039	M.P.C	R. Kumari
31	S.Sridevi	2022008052041	M.P.C	S. Sridevi
32	S.Narayana Rao	2022008052042	M.P.C	S. Narayana Rao
33	S.Deekha	2022008052043	M.P.C	S. Deekha
34	T.Anil Kumar	2022008052046	M.P.C	T. Anil Kumar
35	V.Chandra Sekhar	2022008052047	M.P.C	V. Chandra Sekhar
36	V.Geethanjali	2022008052048	M.P.C	V. Geethanjali
37	V.Anantha Rao	2022008052049	M.P.C	V. Anantha Rao
38	V.Kanchana	2022008052050	M.P.C	V. Kanchana


Dr. Ch. Raghavendra Naidu
 M.Sc; Ph.D
 Lecturer in Mathematics
 Govt. Degree College
 Palakonda 517 201


 PRINCIPAL
 GOVT. DEGREE COLLEGE
 PALAKONDA
 Parvathipuram Manyam Dist.

PUPIL'S ATTENDANCE REGISTER

Sl. No.	Admission No.	Name of the Pupil	Date																	
			1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	13/02	14/02	15/02	16/02	17/02	18/02
1	01	A. Pradeep Kumar	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	
2	02	A. Maratha	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	
3	03	A. Lokesh	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
4	04	B. Braavathi	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
5	05	B. Sirthadri	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A	
6	06	B. Srinu	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	
7	07	B. Ramakrishna	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	
8	09	B. sailaja	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	
9	10	B. Rajya Lakshmi	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	
10	14	D. Bhavani	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	
11	15	D. Uma	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
12	16	G. Koleswara Rao	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	
13	18	G. Eswara Rao	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	
14	19	G. Venkata Ramana	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	
15	21	K. Hemant	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	
16	22	K. Pavitra	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
17	23	K. Pavani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
18	24	K. Mahesh	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	
19	25	K. Gowri Sankar	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	
20	26	L. Bhanu Prasad	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
21	27	L. Janardhana Rao	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	
22	29	M. Triveni	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	
23	31	M. Kavya	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
24	32	P. Dhilleswari	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	
25	33	P. Harika	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	
26	34	P. Sailam	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	
27	35	P. Thara Lakshmi	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	
28	37	P. Siva Prasad	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
29	38	P. Bhavathi	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	

Number Present M																			
Daily E																			
Initials M																			
E																			

No. on Roll at the Beginning of month Admitted during the month Left No. on roll at end of month

Certificate course in Arithmetic Ability

Academic year 2021-22.
From (01-01-22 to 10-3-22)

Department: Mathematics

FOR THE MONTH OF _____

Section: 01-02-2022 to

Place: 10-03-2022

19 02	20 02	21 02	22 02	23 02	24 02	25 02	26 02	27 02	28 02	01 03	02 03	03 03	04 03	05 03	06 03	07 03	08 03	09 03	10 03	11	No. of Days Present	No. of Days Absent	Date of Birth	Promotory Date of Admission	Remarks
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	28	2				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	28	2				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	27	3				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	28	2				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	28	2				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	28	2				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	28	2				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	0				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	27	3				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29	1				
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	28	2				

No. of Working days

Average Attendance during the month

No. on Roll during month

CERTIFICATE COURSE ON ARITHMETIC ABILITY

QUESTION PAPER

Student Name :

Hall Ticket Number :

Answer all the questions

1) $137 - 15 \times (8 + 13) / 7 =$

- A) 92 B) 99 C) 86 D) 101

2) $75 + 30 \times 18 - 25 \times (13 + 7)$

- A) 105 B) 109 C) 115 D) 119

3) What is the sum of the first ten multiples of 6

- A) 300 B) 330 C) 360 D) 390

4) Which of the following is not a prime number

- A) 31 B) 61 C) 71 D) 91

5) Which of the following numbers is divisible by each one of 3, 9 and 11

- A) 639 B) 2079 C) 3791 D) 379

6) LCM of $1/3, 5/6, 2/9$ and $4/27$ is

- A) $13/3$ B) $22/3$ C) $20/3$ D) $19/3$

7) HCF of $2/3, 8/9, 16/81$ and $10/27$ is

- A) $2/81$ B) $5/81$ C) $8/81$ D) $10/81$

8) Ram is younger than Rahul by 4 years. If their ages are in the respective ratio of 7:9, how old is Ram

- A) 16 years B) 18 years C) 22 years d) 14 years

9) The age of father 10 years ago was thrice the age of his son. Ten years hence, father's age will be twice that of his son. The ratio of their present ages is

- A) 5:2 B) 7:3 C) 9:2 D) 13:4

10) 28% of 450 + 45% of 280 is

- A) 252 B) 248 C) 256 D) 246

11) The cost price of 50 articles is equal to the selling price of 40 articles. Gain percent is

- A) 25% B) 20% C) 18% D) 16%

12) A man bought toffee at 3 for 10 rupees. How many for 10 rupees must he sell to gain 50%

- A) 1 B) 2 C) 4 D) 5

13) The ages of Radha and Madhavi are in the ratio 3:1. After 15 years the ratio will be 2:1. Then Madhavi's age is

- A) 15 years B) 20 years C) 18 years D) 12 years

- 14) A sum of Rs 2000 gives a simple interest of Rs600 in 2years 6 months. The rate of interest per annum is
A)14% B)12% C)15% D)13%
- 15) The rate at which a sum becomes four times of itself in 15 years at simple interest will be
A)16% B)18% C)20% D)22%
- 16) The difference between the cost price and sale price of an article is Rs240. If the profit is 20% ,the selling price is
A) Rs 1240 B)Rs1450 C) Rs 1600 D)Rs 1200
- 17) Find compound interest on Rs 7500 at 4% per annum for two years, compounded annually
A)Rs624 B)Rs676 C)Rs612 D)Rs696
- 18) The difference between compound interest and simple interest on an amount of Rs15000 for 2 years is Rs96. What is the rate of interest
A)8 B)10 C)12 D)9
- 19) A bag contains Rs50, Rs20, Rs10 notes in the ratio 5:9:4, amounting to Rs940. Find the number of notes of Rs10
A) 12 B) 16 C) 8 D) 4
- 20) A man buys an article for Rs 275 and sells it for Rs 286. Find the gain percent
A) 3% B) 4% C) 5% D) 6%
- 21) If one third of a tank holds 80 litres of water, then the quantity of water that half of the tank holds is
A)100litres B) 120 litres C)110 litres D)105 litres
- 22) In an election a candidate who gets 84%of the votes is elected by a majority of 476votes. What is the total number of votes polled
A)672 B)700 C)749 D)848
- 23) If 2 tables and 3 chairs cost Rs3500 and 3 tables and 2 chairs cost Rs4000. Then table cost is
A) Rs500 B) Rs750 C)Rs 1000 D) Rs1200
- 24) The product of two numbers is 1320 and their H.C.F. is 6. The L.C.M. of the numbers is
A) 220 B) 1314 C)1326 D)1310
- 25) Of the following, which is greater than $\frac{1}{2}$
A) $\frac{4}{13}$ B) $\frac{5}{13}$ C) $\frac{6}{13}$ D) $\frac{7}{13}$

Brief Report

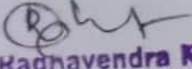
The Department of Mathematics organized a certificate course on Arithmetic Ability . The duration of the course was 30 Hours and the course was conducted from 01-02-2022 to 10-03-2022 for 2nd B.Sc students. A question paper was prepared and exam was conducted on 11-03-2022 . Thirty eight students registered and all they completed the course successfully. The course covered Arithmetic ability and quantitative aptitude . The classes were conducted by Mathematics lecturer Dr Ch.Raghavendra Naidu.


OBJECTIVES

1.The course helps the students to prepare for various competitive examinations by enhancing their creating thinking abilities

Assessment Procedure for Arithmetic Ability

At the end of the course there will be a summative Assessment test covering the course syllabus which will consist of 25 multiple choice questions and each question carries 2 mark, for a total of 50 marks. The qualifying mark is 40% and all the students who obtained 20 marks and above will be given course completion certificate


Dr Ch Raghavendra Naidu
M.Sc; Ph.D
Lecturer in Mathematics
Govt. Degree College
Palakonda - 532 440

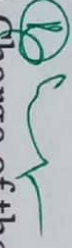

PRINCIPAL
GOVT. DEGREE COLLEGE
PALAKONDA
Parvathipuram Manyam Dist.




★★★
Government Degree College, Palakonda
Department of Mathematics
Certificate




This is to certify that Mr/Ms ----- studying II B.Sc., M.P.C
in this college has successfully completed the Certificate course on Arithmetic
Ability with roll number ----- from 01-02-2022 to 10-03-2022 during the
academic year 2021-2022.


In Charge of the Dept

Dr. C. N. Kagnavendra
M.Sc; Ph.D
Lecturer in Mathematics
Govt. Degree College
Palakonda 532 441


IQAC Coordinator


PRINCIPAL
GOVT. DEGREE COLLEGE
PALAKONDA
Parvathipuram Taluk, Channarayana Dist



Government Degree College, Palakonda
Department of Mathematics

Certificate



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PALAKONDA
Palakonda Dist.

In Charge of the Dept
M.Sc; Ph.D
Lecturer in Mathematics
Govt. Degree College
Palakonda 532 441