

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE ON BASIC MATHEMATICS

ACADEMIC YEAR : 2022-23

FROM 27-01-2023 TO 14-03-2023

DURATION: 30 HOURS

COURSE COORDINATOR

Dr CH.RAGHAVENDRA NAIDU, M.Sc.,Ph.D.

LECTURER IN MATHEMATICS

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,

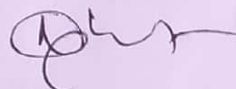
Sub :Request to accord permission to conduct Certificate course by Dept of Mathematics regd

Department of Mathematics would like to conduct a Certificate Course programme on ' Basic Mathematics' of 30 hours duration for the students of 3rd B.A. of GDC, Palakonda from 27-01-2023.


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


PRINCIPAL
GOVT. DEGREE COLLEGE
PALAKONDA
Parvathipuram Manyam Dist.


Circular

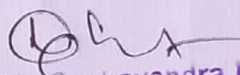
Date: 20-01-2023

Department of Mathematics

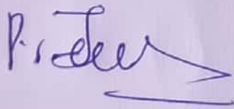
The Department of Mathematics is going to conduct a Certificate Course in 'Basic Mathematics' of 30 Hours duration programme for the students of 3rd B.A. of GDC, Palakonda from 27-01-2023 .

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

 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 25-01-2023.


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

3rd B.A



COURSE OUTCOMES

1. Able to utilize BODMAS rule as an effective tool.
2. Able to do solve problems using shortcut methods.
3. Able to analyze 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

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 : 27-01-23 to 14-03-23.


DEPARTMENT OF MATHEMATICS


CERTIFICATE COURSE ON BASIC MATHEMATICS. AY-2022-23

Students Enrollment List.

S.No	Student Name	Regd No/ Hall Ticket No	B.A	Signature of the Student
1	A.Saraswathi	2022008036001	B.A	A. Saraswathi
2	A.Mahesh	2022008036002	B.A	A. Mahesh
3	B.Venkatesh	2022008036003	B.A	B. Venkatesh
4	B.Kavya	2022008036004	B.A	B. Kavya.
5	B.Chinni	2022008036006	B.A	B. chinni
6	B.Dinesh Kumar	2022008036007	B.A	B. Dinesh Kumar
7	B.Sunil	2022008036008	B.A	B. Sunil
8	B.Harika	2022008036009	B.A	B. Harika
9	Ch.Akila	2022008036014	B.A	Ch. Akhila
10	K.Anusha	2022008036015	B.A	K. Anusha
11	K.Chinna Rao	2022008036019	B.A	K. chinna Rao
12	K.Tirupathi Rao	2022008036020	B.A	K. Tirupathi Rao
13	K.Sasi Kiran	2022008036021	B.A	K. Sasi Kiran
14	L.Indraja	2022008036022	B.A	L. Indraja.
15	M.Vimala Kumari	2022008036024	B.A	M. Vimala Kumari
16	M.Rajani	2022008036025	B.A	M. Rajani
17	M.Sai Prasanna	2022008036027	B.A	M. Sai prasanna
18	M.Rama Krishna	2022008036030	B.A	M. Rama Krishna
19	M.Rama Rao	2022008036031	B.A	M. Rama Rao
20	N.Suryanarayana	2022008036033	B.A	N. Suryanarayana
21	N.Ashila	2022008036034	B.A	N. Ashila
22	N.Radha	2022008036036	B.A	N. Radha
23	P.Padma Priya	2022008036037	B.A	P. Padma Priya
24	P.Swathi	2022008036038	B.A	P. Swathi
25	P.Bhavani	2022008036039	B.A	P. Bhavani

26	S,Ravi	2022008036045	B.A	S. Ravi
27	S.Surya Rao	2022008036046	B.A	S. Surya Rao
28	S.Ramya	2022008036047	B.A	S. Ramya
29	S.Vijay Kumar	2022008036048	B.A	S. Vijay Kumar
30	T.Suguna	2022008036049	B.A	T. Suguna
31	T.Aruna	2022008036050	B.A	T. Aruna
32	V.Vamshee	2022008036053	B.A	v. vamshee
33	Y.Suresh	2022008036054	B.A	Y. Suresh


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


PRINCIPAL
GOVT. DEGREE COLLEGE
PALAKONDA
Parvathipuram, Yanam Dist.
Parvathipuram, Yanam Dist.

Department : MATHEMATICS
Certificate course on Basic Mathematics

Hall Ticket No: 2022008036001 Academic year : 2022-23

NAME OF THE INSTITUTE

PUPIL'S ATTENDANCE REGISTER

Sl. No.	Admission No.	Name of the Pupil	Jan	Jan	Jan	Jan	Feb	Feb	Feb	Feb	Mar	Mar	Mar	Mar	Mar	Mar
			27/01	28/01	29/01	30/01	01/02	02/02	03/02	04/02	05/02	10/02	13/02	14/02	15/02	16/02
1	01	A. Saraswathi	P	A	P	P	P	P	P	P	P	P	P	P	P	P
2	02	A. Mahesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	03	B. Venkatesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	04	B. Kavya	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	06	B. Chinmi	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	07	B. Dinesh kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	08	B. Sunil	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	09	B. Harika	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	14	Ch. Akila	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	15	K. Anusha	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	19	K. Chinna Rao	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	20	K. Tirupati Rao	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	21	K. Sasi kiran	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	22	L. Indrajit	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	24	M. Vimala kumari	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	25	M. Rajani	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	27	M. Sai prasanna	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	30	M. Ramakrishna	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	31	M. Rama Rao	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	33	N. Suryanarayana	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	34	N. Ashila	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	36	N. Radha	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	37	P. Padma Priya	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	38	P. Swathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	39	P. Bhavani	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	45	S. Ravi	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	46	S. Surya Rao	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	47	S. Ramya	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	48	S. Vijay Kumar	P	P	P	P	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

Department : MATHEMATICS
Certificate course on Basic Mathematics

Academic year : 2022-23

FOR THE MONTH OF 27-01-23 to 14-03-23 Section: 27-01-23 to 14-03-23
Place :

Sl. No.	Admission No.	Name of the Pupil	Jan	Jan	Jan	Jan	Feb	Feb	Feb	Mar	Mar	Mar	Mar	Mar	Mar	Mar	Mar
			27/01	28/01	29/01	30/01	01/02	02/02	03/02	04/02	05/02	10/02	13/02	14/02	15/02	16/02	17/02
1	01	A. Saraswathi	P	A	P	P	P	P	P	P	P	P	P	P	P	P	
2	02	A. Mahesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
3	03	B. Venkatesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
4	04	B. Kavya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
5	06	B. Chinmi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
6	07	B. Dinesh kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
7	08	B. Sunil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8	09	B. Harika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
9	14	Ch. Akila	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
10	15	K. Anusha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
11	19	K. Chinna Rao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
12	20	K. Tirupati Rao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
13	21	K. Sasi kiran	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
14	22	L. Indrajit	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
15	24	M. Vimala kumari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
16	25	M. Rajani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
17	27	M. Sai prasanna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
18	30	M. Ramakrishna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
19	31	M. Rama Rao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
20	33	N. Suryanarayana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
21	34	N. Ashila	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
22	36	N. Radha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
23	37	P. Padma Priya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
24	38	P. Swathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
25	39	P. Bhavani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
26	45	S. Ravi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
27	46	S. Surya Rao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
28	47	S. Ramya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
29	48	S. Vijay Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	

No. of Working days Average Attendance during the month No. on Roll during month

Department : Mathematics
 Certificate course on Basic Mathematics
 Academic year : 2022-23

NAME OF THE INSTITUTE

PUPIL'S ATTENDANCE REGISTER

S.No.	Admission No.	Name of the Pupil	Jan 27 01	Jan 28 01	Jan 29 01	Jan 30 01	Jan 31 01	Feb 01 02	Feb 02 02	Feb 03 02	Feb 04 02	Feb 05 02	Feb 06 02	Feb 07 02	Feb 08 02	Feb 09 02	Feb 10 02	Feb 11 02	Feb 12 02	Feb 13 02	Feb 14 02	Feb 15 02	Feb 16 02	Feb 17 02	
30	49	T. Suguna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	50	T. Aruna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	53	V. Vamshee	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	54	Y. Suresh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Department : Mathematics
 Certificate course on Basic Mathematics
 Academic year : 2022-23.

FOR THE MONTH OF 27-01-23 to 14-03-23

Section : _____

Place : _____

																			No. of Days Present	No. of Days Absent	Date of Birth	Presently Date of Admission	Remarks								
		20 02	21 02	22 02	23 02	24 02	25 02	26 02	27 02	28 02	29 02	30 02	01 03	02 03	03 03	04 03	05 03	06 03	07 03	08 03	09 03	10 03	11 03	12 03	13 03	14 03	27	3			
		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
		P	P	P	P	P	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	P	P	P	P	P	25	5			
		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	27	3			

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

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

No. of Working days Average Attendance during the month No. on Roll during month

CERTIFICATE COURSE ON BASIC MATHEMATICS
QUESTION PAPER

Student Name:

Hall Ticket Number:

Answer all the questions

1) $75+30 \times 18-25 \times (13+7)$

A)105 B)109 c)115 D)119

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

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

3) Which of the following is not a prime number

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

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

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

5) LCM of $\frac{1}{3}, \frac{5}{6}, \frac{2}{9}$ and $\frac{4}{27}$ is

A) $\frac{13}{3}$ B) $\frac{22}{3}$ C) $\frac{20}{3}$ D) $\frac{19}{3}$

6) $137-15 \times (8+13)/7 =$

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

7) 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

8) 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

9) 28% of 450 + 45% of 280 is

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

10) $137-15 \times (8+13)/7 =$

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

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 10rupees. How many for 10rupees 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 man walking at the rate of 5km/hr crosses a bridge in 15 minutes. The length of the bridge (in meters) is
A) 600 B) 750 C) 1000 D) 1250
- 15) A car moves at the speed of 80km/hr. What is the speed of the car in meters per second
A) 8 B) $181/9$ C) $200/9$ D) 10
- 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) A man performs $14/15$ of the total journey by auto and the remaining 1 km on foot. His total journey is
A) 15km B) 13km C) 20km D) 18km
- 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) 100 litres B) 120 litres C) 110 litres D) 105 litres
- 22) 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
- 23) 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
- 24) Of the following, which is greater than $\frac{1}{2}$
A) $4/13$ B) $5/13$ C) $6/13$ D) $7/13$
- 25) Three years ago, the average age of A and B was 18 years. With C joining them, the average age becomes 22 years. How old is C now
A) 24 years B) 27 years C) 30 years D) 32 years

Brief Report

The Department of Mathematics organized a certificate course on Basic Mathematics .

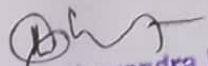
The duration of the course was 30 Hours and the course was conducted from 27-01-2023 to 14-03-2023 for 3rd B.A students. A question paper was prepared and exam was conducted on 15-03-2023 . Thirty three students registered and all are completed the course successfully. The course covered Arithmetic ability 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 Basic Mathematics

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 Gh Raghavendra Naidu
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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 III B.A. in
this college has successfully completed the Certificate course on Basic Mathematics
with roll number ----- from 27-01-2023 to 14-03-2023 during the
academic year 2022-2023.

SWM

[Signature]

[Signature]

In Charge of the Dept
of M. Sci. Ph.D
M. Sci. Ph.D
Lecturer in Mathematics
Govt. Degree College
Palakonda 532 411

IQAC Coordinator

PRINCIPAL
GOVT. DEGREE COLLEGE
PALAKONDA
Darvathipurani Mahablist




Government Degree College, Palakonda
Department of Mathematics

Certificate




This is to certify that Mr. K.Sasi Kiran studying III B.A. in this college has successfully completed the Certificate course on Basic Mathematics with roll number 2022008036021 from 27-01-2023 to 14-03-2023 during the academic year 2022-2023.


In Charge of the Dept

Ur Ch Raghavendra Naidu
M.Sc; Ph.D
Lecturer in Mathematics
Govt. Degree College
Palakonda 532 400


IQAC Coordinator


PRINCIPAL
GOVT. DEGREE COLLEGE
PALAKONDA
Parvathipur Prncipal