

SRNK GOVERNMENT DEGREE COLLEGE

(Affiliated to Telangana University)

Accredited with NAAC 'B' Grade

BANSWADA, KAMAREDDY(DIST), TELANGANA-503187

CERTIFICATE COURSE

ON

ARITHMETIC & REASONING SKILLS

ACADEMIC YEAR 2021-22



DEPARTMENT OF MATHEMATICS

SRNK GDC , BANSWADA

DIST: KAMAREDDY

To

Date: 17/03/22

The Principal,

SRNK GDC Banswada,

Kamareddy (Dist.).

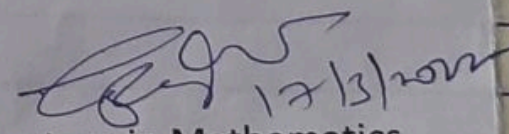
Respected Sir/Madam

Sub: Request to provide to start Certificate course in **Reasoning & arithmetic**
-Reg.

With reference to the subject cited above, I am here with would like to inform you that the departments of **Mathematics** is going to conduct certificate course in **Reasoning & Arithmetic** for the period of 30 days between from 21/3/22 to 21/04/22 Kindly, grant the permission to conduct certificate course.

Thanking you

yours sincerely

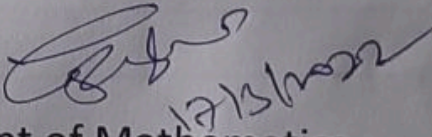

17/3/2022
Lecturer in Mathematics

SRNK GDC Banswada

CIRCULAR

Date: 17/03/22

All the students are hereby informed that we, the Department of Mathematics, SRNK GDC Banswada is intending to start **CERTIFICATE COURSE on Reasoning & Arithmetic** for the period of thirty days for this academic year. The classes will be conducted between 3:30 PM to 4:30PM (1 hour) on all working days. The detailed schedule will be intimated soon, Interested students may enroll their names with the department of Mathematics (Limited seats are available).


17/3/22
Dept of Mathematics,

SRNK GDC, Banswada

ENROLLED STUDENTS LIST

S.NO	Name of the student	Roll. No	Group	Sign
1	Ch. Sailu	Ch. Sai 004	B.A	Ch. Sailu
2	K. Kishor	19055034129006	B.A	K. Kishor
3	V. Saroja	19055034129011	B.A	V. Saroja
4	A. Ramesh	19055034129502	B.A	A. Ramesh
5	B. Mohan	19055034129506	B.A	B. Mohan
6	B. Ravi	19055034129507	B.A	B. Ravi
7	M. Venkatesh	19055034129541	B.A	M. Venkatesh
8	P. Sandeep	19055034129549	B.A	P. Sandeep
9	M. Prameela	19055034129543	B.A	M. Prameela
10	G. Anjiah	19055034129521	B.A	G. Anjiah
11	K. Rajitha	19055034129534	B.A	K. Rajitha
12	S. Rajabai	19055034129564	B.A	S. Rajabai
13	W. Savitha	19055034129568	B.A	W. Savitha
14	M. Naveen	19055034129540	B.A	M. Naveen
15	M. Naresh	19055034129542	B.A	M. Naresh
16	A. Mamatha	19055034092005	B.A	A. Mamatha
17	G. Santhosh	19055034092004	B.A	G. Santhosh
18	K. Vikas	19055034092005	B.A	K. Vikas
19	Nehafathima	19055034092008	B.A	Nehafathima
20	Ruksana	19055034555002	B.A	Ruksana

SRNK GOVERNMENT DEGREE COLLEGE
DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE SYLLABUS IN ARTHMETIC AND REASONING

Learning Objectives

This course is designed to suit the need of the outgoing students and to acquaint them with frequently asked patterns in quantitative aptitude and logical reasoning during various examinations and campus interviews.

Course Outcome

On successful completion of the course the students will be able to:

- Understand the basic concepts of quantitative ability
- Understand the basic concepts of logical reasoning Skills
- Acquire satisfactory competency in use of reasoning
- Solve campus placements aptitude papers covering Quantitative Ability, Logical Reasoning Ability
- Compete in various competitive exams like CAT, CMAT, GATE, GRE, GATE, UPSC, GPSC etc.

Syllabus

UNIT - I

1. Quantitative Ability (Basic Mathematics)

- 1.1. Number Systems
- 1.2. LCM and HCF
- 1.3. Decimal Fractions
- 1.4. Simplification
- 1.5. Square Roots and Cube Roots
- 1.6. Average
- 1.7. Problems on Ages
- 1.8. Surds & Indices
- 1.9. Percentages
- 1.10 Problems on Numbers

UNIT - II

2. Quantitative Ability (Applied & Engineering Mathematics)

- 2.1. Logarithm
- 2.2. Permutation and Combinations
- 2.3. Probability
- 2.4. Profit and Loss
- 2.5. Simple and Compound Interest
- 2.6. Time, Speed and Distance

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- 2.7. Time & Work
- 2.8. Ratio and Proportion
- 2.9. Area
- 2.10 Mixtures and Allegation

UNIT - III

2. Data Interpretation

- 3.1. Data Interpretation
- 3.2. Tables
- 3.3. Column Graphs
- 3.4. Bar Graphs
- 3.5. Line Charts
- 3.6. Pie Chart
- 3.7. Venn Diagrams

UNIT - IV

4. Logical Reasoning (Deductive Reasoning)

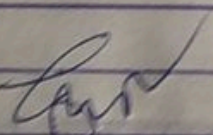
- 4.1. Analogy
- 4.2. Blood Relation
- 4.3. Directional Sense
- 4.4. Number and Letter Series
- 4.5. Coding - Decoding
- 4.6. Calendars
- 4.7. Clocks
- 4.8. Venn Diagrams
- 4.9. Seating Arrangement
- 4.10. Syllogism
- 4.11. Mathematical Operations

Reference books:

1. A Modern Approach To Verbal & Non Verbal Reasoning By R S Agarwal
2. Analytical and Logical reasoning By Sijwali B S
3. Quantitative aptitude for Competitive examination By R S Agarwal
4. Analytical and Logical reasoning for CAT and other management entrance test By Sijwali B S
5. Quantitative Aptitude by Competitive Examinations by Abhijit Guha 4 th edition
6. <http://prepinsta.com/>
7. <https://www.indiabix.com/>
8. <https://www.javatpoint.com/>



PRINCIPAL
S.R.N.K. GOVT. DEGREE COLLEGE
BANSWADA-503107


DEPARTMENT OF MATHEMATICS
S.R.N.K. G.V.T. Degree College
Banswada

ATTENDANCE OF THE STUDENTS OF CERTIFICATE COURSE ON --- Reasoning & Arithmetic's

S.NO	H.T.NO	NAME OF THE STUDENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	1905SD34129004	Ch. Saiju	1	2	3	4	4	5	6	7	8	9	10	11	12	13	13
2	1905SD34129006	K. Kishor	1	4	2	3	4	5	6	7	8	9	10	10	11	12	13
3	1905SD34129011	V. Saroja	1	2	3	4	5	6	7	8	7	8	9	9	10	11	15
4	1905SD34129502	A. Ramesh	1	2	4	3	4	5	6	7	8	9	10	11	12	13	15
5	1905SD34129506	R. Mohan	1	2	3	4	4	4	5	6	7	8	9	9	10	11	15
6	1905SD34129507	B. Ravi	1	2	3	4	4	5	6	7	8	7	8	9	10	11	14
7	1905SD34129541	M. Venkatesh	1	2	3	4	4	5	6	7	8	9	10	10	11	12	14
8	1905SD34129549	P. Gankeep Kumar	1	2	3	4	4	5	6	7	8	9	10	10	11	12	14
9	1905SD34129543	M. Rameela	1	2	3	4	4	5	6	7	8	9	10	10	11	12	14
10	1905SD34129525	G. Anjalah	1	2	3	4	4	5	6	7	8	9	10	10	11	12	14
11	1905SD34129534	K. Rajitha	1	2	3	4	4	5	6	7	8	9	10	10	11	12	14
12	1905SD34129564	S. Rajabab	1	2	3	4	4	5	6	7	8	9	10	10	11	12	14
13	1905SD34129568	W. Savitha	1	2	3	4	4	5	6	7	8	9	10	10	11	12	14
14	1905SD34129540	M. Naveen	1	2	3	4	4	5	6	7	8	9	10	10	11	12	14
15	1905SD34129542	M. Naveesh	1	2	3	4	4	5	6	7	8	9	10	10	11	12	14

(Signature)
 G. Ramesh Kumar

Arithmetic & Reasoning Class

