

# **SRNK GOVERNMENT DEGREE COLLEGE**

**(Affiliated to Telangana University)**

**Accredited with NAAC 'B' Grade**

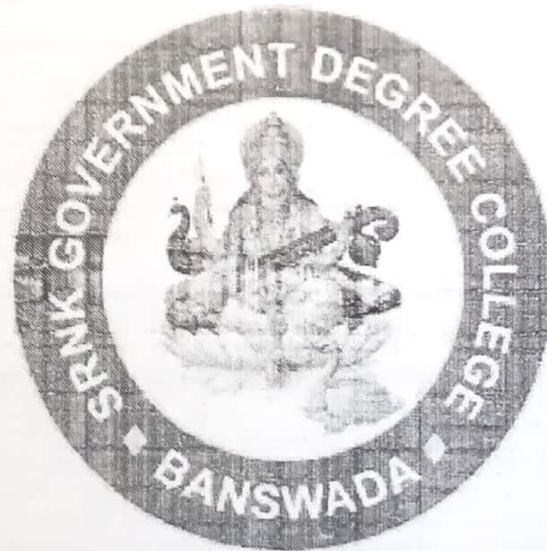
**BANSWADA, KAMAREDDY(DIST), TELANGANA-503187**

**CERTIFICATE COURSE**

**ON**

**ARITHMETIC & REASONING SKILLS**

**ACADEMIC YEAR 2020-21**



**DEPARTMENT OF MATHEMATICS**

**S.R.N.K GDC , BANSWADA**

**DIST : KAMAREDDY**

To  
The Principal,  
SRNK GDC Banswada,  
Kamareddy (Dist.).

Date: 04/02/2021

Respected Sir/Madam,

Sub: Request to provide to start Certificate course in **Reasoning & Arithmetic** – Reg.


With reference to the subject cited above, I am herewith 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 05/02/2021 to 05/03/2021. Kindly, grant the permission to conduct certificate course.

Thanking you,

Yours sincerely,



Lecturer in Mathamatics  
SRNK GDC Banswada.



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

## CIRCULAR


Date: 4/2/2021

All the students are here by informed that we, the Department of Mathematics, SRNK GDC Banswada is intending to start **CERTIFIATE COURSE** on “**Reasoning & Arithmetic** ” for the period of thirty days for this academic year. The classes will be conducted between 3.30 PM to 4.30 PM (1 hour) on all working days. The detailed scheduled will be intimated soon, Interested students may enrol their names with the department of Mathematics. (Limited seats are available).



Dept of Mathematics,

SRNK GDC, Banswada.



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**ENROLLED STUDENTS LIST**

Sl.No	Name of the student	Roll . No	Group	Sign
1	A. Bhaya sri	18055034405001	B.com	A. Bhaya sri
2	G. Nareesh	18055034405012	B.com	G. Nareesh
3	K. Jyothsna	18055034405020	B.com	K. Jyothsna
4	D. Sangameshwar	18055034405055	B.com	D. Sangameshwar
5	H. Bharalal	18055034405015	B.com	H. Bharalal
6	B. Loukik varma	18055034405002	B.com	B. Loukik varma
7	Md. Adnan	18055034405085	B.com	Md. Adnan
8	D. shraavan kumar	18055034405008	B.com	D. shraavan kumar
9	K. pavan kalyan	18055034405021	B.com	K. pavan kalyan
10	M. Kavitha	18055034405034	B.com	M. Kavitha
11	M. Srikanth	18055034405037	B.com	M. Srikanth
12	H. Bharalal	18055034405015	B.com	H. Bharalal
13	K. Vinay kumar	18055034405025	B.com	K. Vinay kumar
14	K. Maheshwar	18055034405018	B.com	K. Maheshwar
15	G. Babuyadav	18055034405013	B.com	G. Babuyadav
16	K. shireesha	18055034405026	B.com	K. shireesha
17	K. Swapna	18055034405017	B.com	K. Swapna
18	M. Mukhabai	18055034405019	B.com	M. Mukhabai
19	D. pavankalyan	18055034405007	B.com	D. pavankalyan
20	K. shobha	18055034405028	B.com	K. shobha

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**SRNK GOVERNMENT DEGREE COLLEGE**  
**DEPARTMENT OF MATHEMATICS**  
**CERTIFICATE COURSE SYLLABUS IN ARTHEMATIC AND REASOING**

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**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.
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**Syllabus**

**UNIT - I**

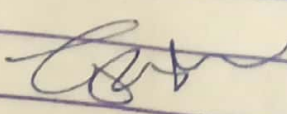
**1. Quantitative Ability (Basic Mathematics)**

- 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)

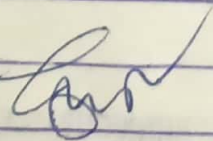
- 4.1. Analogy
- 4.2. Blood Relation
- 4.3. Directional Sense
- 4.4. Number and Letter Series
- 4.5. Coding – Decoding
- 4.6. Calendars
- 4.7. Clocks
- 4.8. Venn Diagrams
- 4.9. Seating Arrangement
- 4.10. Syllogism
- 4.11. Mathematical Operations

#### 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. <https://prepinsta.com/>
7. <https://www.indiabix.com/>
8. <https://www.javatpoint.com/>



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ATTENDANCE OF THE STUDENTS OF CERTIFICATE COURSE ON - Reasoning & Arithn

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	18055034405001	A. Bhaya sri	1	2	3	4	5	A	6	7	8	9	10	A	11	12	13	
2	18055034405020	K. Jyothsna	1	2	A	3	4	5	6	7	A	8	9	10	A	11	12	13
3	18055034405005	D. Sangameshwari	1	2	3	A	4	5	6	7	8	A	9	10	A	11	12	
4	18055034405015	H. Bhatnagar	1	2	3	4	5	6	7	A	8	9	10	11	12	13		
5	18055034405006	D. Shravan Kumar	1	2	3	4	5	A	6	7	8	9	10	11	12	13	A	
6	18055034405009	K. pavan kalyan	1	A	2	3	4	5	A	6	7	8	9	11	A	12	13	A
7	18055034405034	M. Kavitha	1	2	3	A	4	5	A	6	7	8	9	10	A	11	12	
8	18055034405037	M. Srikanth	1	2	3	4	5	6	7	8	9	10	A	11	12	13	14	
9	18055034405025	K. Vinay Kumar	1	2	3	4	5	A	6	7	8	9	10	A	11	12	13	
10	18055034405016	M. Maheshwar	1	2	3	4	5	A	6	7	8	9	10	A	11	12	13	
11	18055034405011	G. Baburayadav	1	2	3	A	4	5	6	A	7	8	9	A	10	11	12	13
12	18055034405023	K. Shobha	1	2	3	4	A	5	6	7	8	9	10	11	12	13		
13	18055034405007	D. pavan kalyan	1	A	2	3	4	5	6	7	8	9	10	A	11	12	13	
14	18055034405017	K. Swapna	1	2	3	4	5	6	7	8	9	10	11	12	13	A		
15	18055034405026	K. Shireesha	1	2	A	3	4	5	6	7	A	8	9	10	11	12	13	14



Signature of the Incharge

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Enter to Learn..

Leave to Serve..

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ESTD : 1998

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<http://gdcts.cgg.gov.in/banswada.edu>  
Email : [banswadagdc.jkc@gmail.com](mailto:banswadagdc.jkc@gmail.com)

CERTIFICATE

THIS IS TO CERTIFY THAT Mr./Mrs. \_\_\_\_\_ OF

B.A/B.COM/B.SC \_\_\_\_\_ I/II/III YEAR ,Roll NO \_\_\_\_\_ HAS ATTENDED

CERTIFICATE/ADD-ON COURSE IN \_\_\_\_\_ CONDUCTED BY

THE DEPARTMENT OF \_\_\_\_\_ FOR THE ACADEMIC YEAR \_\_\_\_\_

INCHARGE

IQAC  
CO-ORDINATOR

  
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# Arthmatic & Reasoning Class

