

Add- on/ Certificate Course in
“Mathematical Reasoning for competitive Examinations”

Academic Session: 2022-23

- **Aim and Objectives:** Reasoning skills help candidates in improving their decision-making skills, problem-solving skills, and setting goals. These personal skills are necessary for building a stable career foundation. Most of the companies conduct a Logic Building Analysis round while organizing their recruitment drive, to check the mental ability of candidates. The course aims in making the students understand the fundamental logical reasoning and help them to prepare for competitive examinations.
- **Course Outcome:** After completing this course, students will be able to use their Logical thinking to solve Quantitative Aptitude problems from Company specific and other competitive tests.

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○ **Duration : 30 Hrs**

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○ **Syllabus of the Course:**

○ **Unit I**

- Classification
- Logical alphabet and Number Sequence Test
- Coding-Decoding
- Series
- Logical arrangement of words
- Missing Characters
- Mathematical Operations
- Venn Diagram
- Blood Relations
- Clocks
- Calender
- Direction and Distance
- Sitting Arrangement

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○ **Unit II**

- Non Verbal Reasoning
- Completion of Series
- Classification
- Counting of figures
- Completion of figures
- Cubes
- Dice

- Mirror image
- Water Image
- Figure Matrix
- Square Completion
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- **Unit III**
- Statement of Arguments
- Statement of Assumption
- Statement and Conclusion
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- **Reference Books :**
- 1. A New Approach to Reasoning by B S Sijwali, Indu Siwali
- 2. A Modern approach to Verbal & Non Verbal Reasoning by R. S Agarwal
- 3. Logical-Mathematical Reasoning for Teens by Adekola Taylor

Evaluation

There are two components of Evaluation:

- a. Continuous Evaluation of 20 marks
- b. Final Evaluation of 80 marks: Comprises of Written Examination of 40 MCQ .

Certification

At the end of the course the Course Coordinator (HOD) will determine the grading of the students based on the evaluation process. The gradation in the certificate ranges from 'O' to 'F' .