

DEPARTMENT OF MATHEMATICS				Certificate Course				
Sem	Course Type	Course Code	Course Title	Credits	Total Contact Hours	CIA	Ext	Total
	Certificate course	21MATC06	VERBAL & NON-VERBAL REASONING	2	2	50	50	100

### Learning Objectives

- To enrich and enhance the knowledge of students in both Verbal & Non-Verbal Reasoning
- To enable students to analyse and solve complex problems without relying upon or being limited by language skills

### Learning Outcomes

After the completion of this course, students will be able

- To understand and analyze visual information & solve problems using visual reasoning.
- To demonstrate cognitive skills than his / her acquired knowledge.

### UNIT I Verbal Reasoning

Analogy – Classification – Series Completion – Coding & Decoding – Blood Relations

### UNIT II Verbal Reasoning (Continued)

Puzzle Test – Direction Sense Test – Arithmetical Reasoning – Inserting the Missing Character

### UNIT III Logical Reasoning

Logical Venn Diagrams – Logical Sequence of words – Logic : Syllogism

### UNIT IV Non-Verbal Reasoning

Series – Analogy – Classification - Analytical Reasoning – Mirror Images – Water Images

### UNIT V Non-Verbal Reasoning (Continued)

Completion of Incomplete Pattern – Figure Matrix – Cubes & Dice

### TEXT BOOK :

1. R.S. Aggarwal, A Modern Approach to Verbal and Non-Verbal Reasoning, S. Chand & Company Ltd.

### REFERENCE BOOK :

1. BS Sijwali&InduSijwali, A New Approach to Reasoning – Verbal, Non-verbal & Analytical, Arihant Publication
2. Jaikishan&Premkishan, How to Crack Test of Reasoning in all competitive examinations, Arihant Publication

### WEB RESOURCES

1. <https://learnfrenzy.com/reasoning>
2. <https://www.indiabix.com/non-verbal-reasoning/questions-and-answers/>
3. <https://studymild.com/non-verbal-reasoning/>

**Course Designer:** Mr. S.Anandsrinivasan, Assistant Professor, Department of Mathematics(SF).