

Syllabus for Mathematical Reasoning and Quantitative Aptitude

Competency 1	Topics	No. of Lectures=30
	Quantitative Aptitude	
	❖ Permutation and combination	
	❖ probability	
	❖ Ratio and proportion	
	❖ Percentage	
	❖ Average	
	❖ Problem based on Age	
	❖ Profit and Loss	
Competency 2	❖ Simple Interest	
	❖ Compound Interest	
	❖ Time and work	
	❖ Work and wages	
	❖ Problems on trains	
	❖ Mensuration	
Competency 3	❖ Problems on clock	
	❖ Problems on Calendar	
	❖ Time and Distances	
	❖ Heights and Distances	
	❖ Odd man out and series	
	❖ Simplification	
Competency 4	General Mental Ability	
	❖ Analogy	
	❖ Classification	
	❖ Series Completion	
	❖ Coding and Decoding	
	❖ Puzzle Test	
	❖ Direction Sense Test	
	❖ Decision Making	
	❖ Assertion and Reason	
	❖ Mathematical operations	

- ❖ Inserting Missing one
- ❖ Logical sequences of words

Competency 5 **Logical Deduction**

- ❖ Logic
- ❖ Statement and Arguments
- ❖ Statements and Assumptions
- ❖ Statement and Conclusions

Competency 6 **Non verbal Reasoning**

- ❖ Series
- ❖ Analogy
- ❖ Classification
- ❖ Analytical Reasoning
- ❖ Problem on cubes and dice

Text Book:

Quantitative Aptitude and Reasoning- R.V.Praveen, prentice hall of India

Reference Books

1. GL Barrons, Mc Graw Hills, Thorpe's verbal reasoning, LSAT Materials
2. R S Agarwal, S.Chand , 'A modern approach to Logical reasoning'
3. R S Agarwal, S Chand, 'Quantitative Aptitude'
4. Quantitative Aptitude - G. L BARRONS
5. Quantitative Aptitude - Abhijit Guha Mc Graw Hills