



Program:		B. Tech. (All Branches)			Semester:		III	
Course:		Quantitative Aptitude			Code:		BTALOE11SH3T	
Teaching Scheme				Evaluation Scheme				
Lecture	Tutorial	Hours	Credit	TA	MSE-I	MSE-II	ESE	Total
2	-	2	2	10	15	15	60	100
Methods of Teacher Assessment (TA): Assignments, Quiz								
Course Objectives: To develop Mathematical & analytical skills, enhancing problem-solving abilities, & improving performance in competitive exams & aptitude tests.								
Course Outcomes: After completion of the course, the students will be able to:								
CO	Course Outcomes							BT Level
CO-1	Interpret and analyze data from tables, pie charts, bar graphs, and line charts, and solve problems involving percentage and profit & loss.							L3
CO-2	Apply quantitative technique to solve problems on distance, speed & time, work & time, and averages in real-life and competitive contexts.							L3
CO-3	Analyze and solve problems related to calendars, ratio & proportion, and number systems using analytical reasoning.							L4
CO-4	Solve logical reasoning problems involving relations, directions, age problems, and coding–decoding.							L4

Unit I: Reasoning & Quantitative Ability: (6 Hrs.)
Data Interpretation (Table Chart, Pie Chart, Graph Bar, Line Chart), Percentage, Profit & Loss

Unit II: Quantitative Ability: Distance, Speed & Time, Work & Time, Average (6 Hrs.)

Unit III: Analytical reasoning: Calendar, Ratio & Proportion, Number System (6 Hrs.)

Unit IV: Logical Reasoning: Relation, Direction, ages, Coding-Decoding (6 Hrs.)

Total: 24 Hours

Textbooks:

- Quantitative Aptitude by R. S. Aggarwal, S. Chand Publications.
- Quantitative Aptitude for Competitive Examinations by Abhijit Guha, TMH.

Reference Books:

- Quantitative Aptitude by Arun Sharma, TMH.

A. Jadhav
5th
Approved in.....
Academic Council Meeting
Dated:- 22/09/2026.....



MOOC Links:

1. [General-Aptitude.pdf](#)
2. [Aptitude Questions and Answers for Engineering Students \[Solved\]](#)
3. [Aptitude Questions and Answers - IndiaBIX](#)
4. [Aptitude for Placements - GeeksforGeeks](#)


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Academic Council Meeting
Dated:-22/09/2026.....