

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
(TTWRDCW) SURYAPET**

**COURSE: QUANTITATIVE APTITUDE AND LOGICAL REASONING  
Academic year 2022- 2023**

**Total Teaching Hours: 45 hours**

**Course Objectives**

- To enhance problem solving skill among students
- To improve the mathematical skill
- To help who are preparing for any type competitive examination
- To increase the chance of employability.

**Course Outcomes**

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: Quantitative Ability (Basic Mathematics)**

- 1.1. Number System
- 1.2. LCM and HCF of numbers
- 1.3. Decimal Fractions
- 1.4. Simplification
- 1.5. Square Roots and Cube Roots.

**UNIT– II: Arithmetic, Quantitative Abilities**

- 2.1 Average
- 2.2 Profit and loss
- 2.3 Ratio and proportion
- 2.4 Percentages.

**UNIT– III: Problems related to Time**

- 3.1. Time and work
- 3.2 Time and distance
- 3.3. Problems on Trains
- 3.4. Clock.

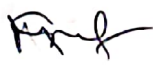
**UNIT– IV: Logical Reasoning**


- 4.1. Series completion
- 4.2. Analogy
- 4.3 Classification
- 4.4. Coding - Decoding
- 4.5. Puzzles Test
- 4.6. Calendar.

**Reference books:**

1. A Modern Approach to Verbal & Non-Verbal Reasoning by R S Agarwal.
2. Quantitative aptitude for Competitive examination by R S Agarwal.

  
**IQAC CO-ORDINATOR**  
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