

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

**CERTIFICATE COURSE: ARITHMETICAL ABILITY
Academic year 2021-2022**

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.

Syllabus

UNIT- I

- 1.1 Logarithms
- 1.2 Problems on Ages
- 1.3 Problems on Numbers
- 1.4 Surds and indices.

UNIT- II

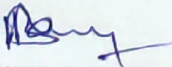
- 2.1 Partnership
- 2.2 Chain Rule
- 2.3 Pipes and Cisterns
- 2.4 Boats and Streams.


UNIT- III


- 3.1 Allegation or Mixture Time and work
- 3.2 Simple Interest
- 3.3 Compound Interest
- 3.4 Probability.

Reference books:

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


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