RURAL INSTITUTE OF HIGHER STUDIES, BHOGRAI

Add-on Course on

ARITHMETIC AND REASONNING ABILITY

Department of Mathematics

Rural Institute of Higher Studies, Bhograi

Course Objectives:

To orient students of R.I.H.S. to face the various competitive exams conducted by different government, semi government and private organizations. It will also help the students to improve their skills which can be used across other subjects and apply in many different jobs of day to day life.

When a student completes the add-on course on arithmetic and reasoning ability, he or she can develop the conceptual understanding of arithmetic and reasoning, develops the Critical thinking for many real life problems and solves many problems in very short time which ultimately saves time on calculations.

After undergoing this course at RIHS, Bhograi, they should be able to:

- Remove the fear of appearing in the competitive examinations.
- Develop conceptual understanding of arithmetic which saves time on calculations.
- Able to solve variety of arithmetic and reasoning problems of different competitive examinations.
- Develops the Critical thinking for many real life problems.
- Learn short tricks to quickly solve the arithmetic and reasoning problems within the short span of time assigned for it.
- Will solve effectively variety of arithmetic and reasoning problems they are going to encounter in the coming days.
- Arithmetic skills also help in solving many reasoning papers.

Duration: The entire course will of three months. The classes will be conducted on off-hours. There will be 24 classes to cover the entire courses. Each class will be of one and half hour duration.

Attendance: 75% attendance is mandatory.

Certificate: "Certificate of Participation" will be given to each student having 75% of attendance.

The Need for an arithmetic and numerical ability for the College Going Students :

Students in our colleges and universities need to learn arithmetic and reasoning ability to meet the requirements of various competitive exams like Banking,SSC,Railways,OPSC,OSSC,OSSSC,UPSC etc. The syllabus is comprised of as per the requirements of all the competitive examining bodies. The thrust on learning arithmetic and reasoning develops the Critical thinking for many real life problems which also helps them to qualify the above said exams without any hesitation.

SYLLABUS

COURSE- 1 : ARITHMETIC

Unit-1: (03 classes)
- Simplification
- Ratio and Proportions

Unit-2: (03 classes)
- Percentage
- Profit & Loss
- Simple and Compound interest

Unit-3: (04 classes)
- Average
- Time & Work
- Time and Distance
- Boat and Stream

Unit-4: (03 classes)
- Mixture and allegation
- Partnership

COURSE- 2 : **REASONNING ABILITY**

Unit-1:   (04 classes

- Coding and de-coding
- Number analogy
- Word analogy
- Missing numbers

Unit-2:   (03 classes)

- Blood relation
- Order and ranking
- Direction test

Unit-3:   (04 classes)

- Syllogism
- Seating arrangement.
- Puzzles.