

SYLLABUS AND COURSE PLAN

(Academic year 2022-23)

Course name : Basic Mathematics for Competitive Examinations

Course code :

Course fee : 500

Duration : 30Hrs (To be engaged as offline sessions after routine classes of regular programmes on week days and as special offline/online sessions)

Intake : 25 Students

COURSE OBJECTIVE/SCOPE:

- This course deals with the nuts and bolts of Mathematics. Students will become equipped with a solid foundation of the mathematical tools required to solve more complex mathematical problems. This course would benefit any student (regardless of science background) who requires help understanding basic math skills in order to pass a competitive examination, test, a course, a specific job, or a review or brush up on math skills.
- Syllabus will focus on set theory, basics of number system, , the various forms of numbers such as fractions, decimals, ratios, proportions . In addition this course will focus on logical reasoning also.

COURSE OUTCOMES:

1. Students will demonstrate knowledge of the basic concepts of set theory.
2. Students will understand numbers, way of representing numbers, relationships among numbers, and number systems.
3. Students will capable of solving logical problems that appear in competitive examinations
4. Students will apply ratio and proportion to problems in real life
5. Students will demonstrate the ability to solve financial math problems.
6. Students will communicate their mathematical thinking coherently and clearly to students, peers, and others.