



SAINTGITS COLLEGE OF APPLIED SCIENCES

VALUE ADDED COURSES 2018-'19



# FOUNDATIONS IN MATHEMATICS

LEARN . GROW . EXCEL

## ABOUT THE COURSE

Mathematics is the study of numbers, shapes and patterns. The knowledge acquired by the student is greatly used for solving problems. The students can always verify the validity of mathematical rules and relationships by applying them to novel situations.

## OBJECTIVES

The primary objective is to provide the basic concepts and applications of Mathematics suited to the needs of students appearing in the competitive examinations.

## EXPECTED OUTCOMES

- Understand the basic concepts of quantitative ability.
- Understand the basic concepts of logical reasoning skills.
- Solve campus placement aptitude papers covering quantitative ability, logical reasoning and verbal ability.

## DURATION

Total Duration: 30 hours

LEARN . GROW . EXCEL



**THIS COURSE IS USED TO ASSESS CANDIDATES REGARDING THEIR SKILLS, KNOWLEDGE, ABILITY AND PERSONALITY. APTITUDE TESTS ARE AN ACCURATE WAY OF PREDICTING THE POTENTIAL CONTRIBUTION OF A CANDIDATE AND THE LIKELIHOOD OF THEM ACHIEVING SUCCESS WITHIN THE ORGANIZATION.**



## FEATURES

- Combination of characteristics indicative of an individual capacity to acquire some specific knowledge and skill.
- With the development of mathematical reasoning, students recognize that mathematics makes sense and can be understood.
- They learn how to evaluate situations, select problem-solving strategies, draw logical conclusions, develop and describe solutions, and recognize how those solutions can be applied.

## SYLLABUS

Time & Distance, Time & Work, Direction, Coding Decoding, Problems based on Number & Letter Series, Ratio, Proportion, Number System, LCM, HCF, Simplification, Blood Relation, Clock Problem, Simple Interest, Compound Interest, Profit and Loss, Percentage

## ADVANTAGES

Mathematics helps us to think analytically and to have better reasoning abilities. Analytical thinking refers to the ability to think critically about the world around us. It improves reasoning ability, which provides better job opportunities in Banking sector, Finance, etc.



LEARN . GROW . EXCEL



**SAINTGITS**  
LEARN.GROW.EXCEL

## **SAINTGITS COLLEGE OF APPLIED SCIENCES**

Pathamuttom, Kottayam - 686532

Phone : 0481 - 2433787

e-mail : [scas@saintgits.org](mailto:scas@saintgits.org), Web : [www.saintgits.org](http://www.saintgits.org)

LEARN . GROW . EXCEL