

# K-SAT 2024-25

## SYLLABUS & PATTERN

Class  
**10<sup>th</sup>**

### MATHS

- Real Numbers
- Polynomials
- Pair of linear equations in two variables
- Quadratic equations
- Arithmetic progression
- Triangles
- Coordinate geometry
- Introduction of Trigonometry
- Application of Trigonometry

### Reasoning

- Series
- Blood relation
- Directions test
- Number ranking and ordering test
- Sitting arrangement
- Counting of figures
- Coding decoding

### Science

- **BIOLOGY**
  - Life process
  - How do organisms reproduce
- **PHYSICS**
  - Electricity
  - Magnetic effect of electric current
  - Human eye and colourful world
- **CHEMISTRY**
  - Chemical reactions and equations
  - Acids, bases and salts

### SST

- The rise of nationalism in Europe
- Nationalism in India
- Power Sharing
- Federalism
- Development
- Sectors of the Indian economy
- Resources and development
- Forest and wildlife resources
- Water resources

## EXAM PATTERN

#### Pattern of Questions

60 Objective Type Questions  
MCQs of 4 choices (Single Correct Answer)

#### Marking Scheme

+4 For Correct Answer  
**(No Negative Marking)**

#### Questions Distribution

Physics : 10, Chemistry – 10,  
Biology – 10 Maths – 10,  
Reasoning – 10 , S.ST. – 10

#### Medium & Duration of Exam

Medium : Both Hindi and English  
Duration : 2 Hours

