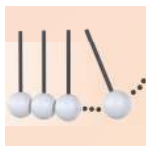


# K-SAT 2024-25

## SYLLABUS & PATTERN

Class  
**12<sup>th</sup>**

### PHYSICS :



- Electric charges and fields
- Electrostatic potential and capacitance
- Current electricity
- Moving charges and magnetism
- Magnetism and matter
- Electromagnetic induction

### BIOLOGY :



- Sexual Reproduction in Flowering Plants
- Human Reproduction
- Reproductive Health
- Principle of Inheritance and Variation
- Molecular Basis of Inheritance
- Evolution

### CHEMISTRY :



- Solutions
- Electrochemistry
- Chemical Kinetics
- The d and f block elements
- Coordination Compounds
- Haloalkanes and Haloarenes
- Alcohols, Phenols and Ethers

### MATHEMATICS :



- Relations and functions
- Inverse trigonometric functions
- Matrices
- Determinants
- Continuity and differentiability
- Application of derivatives

## 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 : 20, Chemistry –20,  
Biology/Maths – 20

#### Medium & Duration of Exam

Medium : Both Hindi and English  
Duration : 2 Hours

