

# SYLLABI FOR THE TEST

## CLASS 5

For Class V Students  
(going to Class VI in 2024)

### GENERAL SCIENCE

#### PHYSICS

1. Measurement
2. Force and Energy
3. Simple Machine

#### CHEMISTRY

1. Solids, Liquids and Gases
2. Rocks and Minerals
3. Natural Calamities

#### BIOLOGY

1. Food & Health
2. Plant – Growth & Structure
3. Animal – Habitat & Adaptation

The Test intends to check the general awareness of the student at Class – V level.

### MATHEMATICS

1. Multiples and Factors
2. Fractions and Decimals
3. Averages
4. Profit and Loss
5. Percentage
6. Triangle

## CLASS 6

For Class VI Students  
(going to Class VII in 2024)

### SCIENCE

#### PHYSICS

1. Motion and Measurement of Distances
2. Light, Shadows and Reflections

#### CHEMISTRY

1. Fibre to Fabric
2. Sorting materials into groups
3. Separation of substances
4. Changes around us

#### BIOLOGY

1. Food: Where does it come from ?
2. Components of Food
3. Getting to know the plants

### MATHEMATICS

1. Knowing Our Numbers
2. Whole Numbers
3. Playing with Numbers
4. Basic Geometrical Ideas
5. Understanding Elementary Shapes
6. Algebra

# CLASS 7

For Class VII Students  
(going to Class VIII in 2024)

## SCIENCE

### PHYSICS

1. Heat
2. Wind, Storms and Cyclones
3. Motion & Time

### CHEMISTRY

1. Fibre to Fabric
2. Acids, Bases and Salts
3. Physical and Chemical Changes

### BIOLOGY

1. Nutrition in plants
2. Nutrition in animals
3. Weather, Climate and Adaptations of Animals to Climate

## MATHEMATICS

1. Integers
2. Fraction & Decimal
3. Data Handling
4. Simple Equations
5. Lines & Angles
6. Triangles & Its Properties

# CLASS 8

For Class VIII Students  
(going to Class IX in 2024)

## SCIENCE

### PHYSICS

1. Force and Pressure
2. Friction
3. Sound

### CHEMISTRY

1. Synthetic Fibres & Plastics
2. Metals and Non metals
3. Coal & Petroleum

### BIOLOGY

1. Crop Production & Management
2. Microorganism
3. Conservation of Plants & Animals

## MATHEMATICS

1. Rational Numbers
2. Linear Equation in One Variable
3. Understanding Quadrilaterals
4. Data Handling
5. Square & Square root
6. Cube & Cube root

# CLASS 9

For Class IX Students  
(going to Class X in 2024)

## SCIENCE

### PHYSICS

1. Motion
2. Force and Laws of motion
3. Gravitation

### CHEMISTRY

1. Matter in Our Surrounding
2. Is matter around us pure ?

### BIOLOGY

1. Cell: The Fundamental Unit of Life
2. Tissue
3. Why Do We Fall Ill?

## MATHEMATICS

1. Number System
2. Linear Equations in Two Variables
3. Lines and Angles
4. Co-ordinate Geometry
5. Triangles
6. Heron's Formula

# CLASS 10

For Class X Students  
(going to Class XI in 2024)

## PHYSICS

1. Light Reflection and Refraction
2. Human Eye and Colourful World
3. Electricity

## CHEMISTRY

1. Chemical Reactions and Equations
2. Acids, Bases and Salts
3. Metals and Non-Metals

## MATHEMATICS

1. Real Numbers
2. Polynomials
3. Pair of Linear Equations in Two Variables
4. Co-ordinate Geometry
5. Trigonometry
6. Similar Triangles

# CLASS 11

For Class XI Students  
(going to Class XII in 2024)

## PHYSICS

1. Physical world
2. Units and Dimensions
3. Motion in Straight Line
4. Motion in Plane
5. Laws of Motion
6. Work Energy and Power

## CHEMISTRY

1. Some Basic Concepts of Chemistry
2. Stoichiometry & Redox Reactions
3. Atomic Structure
4. Periodic Properties & Periodic Classification
5. Chemical Bonding

## MATHEMATICS

1. Sets, Relations and Functions
2. Calculus (Basic Limits only)
3. Logarithms
4. Straight Line
5. Quadratic Equations
6. Trigonometric Ratios and Identities