



MAKSTARS EXAM 2026-27 SYLLABUS & PATTERN

CLASS X

MATHEMATICS

Algebra

- ◆ Pair of Linear Equations in Two Variables
- ◆ Quadratic Equations
- ◆ Arithmetic Progression
- ◆ Statistics

$$a^2 + b^2 = c^2$$

Geometry

- ◆ Circles
- ◆ Trigonometry
- ◆ Surface Area & Volumes
- ◆ Co-ordinate Geometry

BIOLOGY

Life Processes

How do Organisms Reproduce

Heredity

Our Environment

LOGICAL REASONING

1. Direction Sense

- ◆ Basic Directions
- ◆ Distance and Direction
- ◆ Left-Right Turns
- ◆ Coded Directions

2. Blood Relations

- ◆ Basic Relationships
- ◆ Family Tree
- ◆ Coded Blood Relations
- ◆ Relationship Puzzles

3. Coding & Sequences

- ◆ Letter Coding
- ◆ Number Coding
- ◆ Number Series
- ◆ Letter Series

4. Visual & Logical Reasoning

- ◆ Mirror and Water Images
- ◆ Paper Folding and Cutting
- ◆ Odd Figure Out
- ◆ Seating Arrangement

CHEMISTRY

1. Metals and Non-Metals

- ◆ Definitions & properties
- ◆ Reactivity series
- ◆ Ionic compounds
- ◆ Extraction of metals
- ◆ Uses/applications

2. Chemical Reactions and Equations

- ◆ Balancing equations
- ◆ Types of reactions
- ◆ Applications/examples

3. Carbon and Its Compounds

- ◆ Properties and bonding
- ◆ Hydrocarbons
- ◆ Functional groups
- ◆ IUPAC nomenclature
- ◆ Chemical properties/reactions

4. Mole Concept

- ◆ Atomic & molecular mass
- ◆ Basic numerical problems
- ◆ Equation-based calculations

PHYSICS

1. Light

- ◆ Reflection of light
- ◆ Refraction of Light
- ◆ Applications of Mirrors and Lenses

2. Electric Current

- ◆ Ohm's Law and Resistnace
- ◆ Electric Power
- ◆ Electric Circuits

3. EFFECTS OF ELECTRIC CURRENT

- ◆ Heating effects
- ◆ Magnetic effects
- ◆ Electric motor and Electric generator

4. Basic Mechanics

- ◆ Work, Energy & Power,
- ◆ Simple machines (pulleys, levers)
- ◆ Principles of Gravitation

PAPER PATTERN

75

Questions

60

Minutes

+4

Correct
Answer

-1

Incorrect
Answer

