



# MAKSTARS EXAM 2025-26

## SYLLABUS & PATTERN

### CLASS - X



#### PHYSICS

1. Light
  - ♦ Reflection of light
  - ♦ Refraction of Light
  - ♦ Applications of Mirrors & Lenses
2. Electric Current
  - ♦ Ohm's Law and Resistance
  - ♦ Electric Power
  - ♦ Electric Circuits
3. Effects of Electric Current
  - ♦ Heating effects
  - ♦ Magnetic effects
  - ♦ Electric motor & Electric generator



#### MATHEMATICS

1. Linear Equations in 02 Variables
  - ♦ Graphical Method
  - ♦ All method of solving
  - ♦ Application
2. Quadratic Equation
  - ♦ Nature of roots
  - ♦ All method of solving
  - ♦ Application
3. Trigonometry
  - ♦ Angle of elevation & depression
  - ♦ Height & Distance
4. Mensuration
  - ♦ All shapes (including frustum)
  - ♦ Application



#### LOGICAL REASONING

1. Direction Sense
  - ♦ Basic Direction Problems (N, S, E, W)
  - ♦ Distance and Direction Combination
  - ♦ Left-Right Turns
  - ♦ Shadow / Mirror Direction Questions
  - ♦ Coded Direction Sense
2. Visual / Image Puzzles
  - ♦ Mirror and Water Images
  - ♦ Paper Folding and Cutting
  - ♦ Embedded Figures
  - ♦ Figure Completion
  - ♦ Odd Figure Out
  - ♦ Counting Figures
3. Blood Relations
  - ♦ Direct Relationships (father, mother, brother, etc.)
  - ♦ Extended Family Relations (uncle, cousin, in-laws)
  - ♦ Coded Blood Relations
  - ♦ Puzzle-based Blood Relations
4. Logical Sequences and Puzzles
  - ♦ Seating Arrangements (linear & circular)
  - ♦ Age Problems
  - ♦ Grid / Table-Based Puzzles
  - ♦ Mathematical Puzzles
  - ♦ Missing Numbers or Letters
  - ♦ Logical Sequence of Words / Events



#### BIOLOGY

1. How do Organism Reproduce?
  - ♦ Asexual reproduction
    - a. Fission
    - b. Budding
    - c. Vegetative propagation
    - d. Regeneration
    - e. Spore formation
  - ♦ Sexual Reproduction
    - a. Sexual reproduction in plants
    - b. Sexual reproduction in animals
2. Life Process
  - ♦ Nutrition
  - ♦ Respiration
  - ♦ Transportation in Human Beings
  - ♦ Transportation in Plants
  - ♦ Excretion in Humans
3. Heredity & Evolution
  - ♦ Heredity
  - ♦ Variation
  - ♦ Speciation
  - ♦ Evolution and fossils
  - ♦ Human evolution



#### CHEMISTRY

1. Periodic Classification of Elements
  - ♦ Periods and Groups
  - ♦ Atomic number
  - ♦ Electronic configuration
2. Acids, Bases and Salts
  - ♦ Arrhenius, Bronsted-Lowry, Lewis concepts
  - ♦ Properties of acids and bases
  - ♦ Types of reactions
3. Metals and Non-metals/ Metallurgy
  - ♦ Physical and chemical properties
  - ♦ Reactions with oxygen, water, acids, bases, salts
  - ♦ Displacement reactions (metal reactivity series)
4. Carbon and Its Compounds/ Organic Chemistry
  - ♦ Physical and chemical properties
  - ♦ Types of carbon compounds
  - ♦ Reactions of carbon compounds



SCAN NOW  
TO REGISTER



EXAM PAPER PATTERN ●●

TOTAL QUESTIONS = 60Q X 04 MARKS = 240 MARKS ●●

Physics

12  
Questions

Chemistry

12  
Questions

Biology

12  
Questions

Mathematics

12  
Questions

Logical Reasoning

12  
Questions

● +4 marks for correct answer

● -1 mark for incorrect answer

