



MAKSTARS 2025 SYLLABUS & PATTERN

CLASS - X

IMPORTANT POINT :-

- Stage 1 Syllabus consists of topic from Current and Previous Class
- Students are advised to find these topics from NCERT textbooks of present and previous years and prepare thoroughly for MCQs

PHYSICS



- **Light**
 - Reflection of light • Refraction of Light, Refractive Index
 - Applications of Mirrors and Lenses
- **Electric Current**
 - Ohm's Law, Electric Power • Combination of Resistors
 - Electric Circuits
- **Effects Of Electric Current**
 - Joules Heating • Electric motor, Electric generator
 - Domestic home circuits

BIOLOGY



- **How Do Organism Reproduce**
 - Asexual reproduction
 - Fission
 - Budding
 - Vegetative propagation
 - Regeneration
 - Spore formation
 - Sexual Reproduction
 - Sexual reproduction in plants
 - Sexual reproduction in animals
- **Life Process**
 - Nutrition • Respiration • Transportation in Human Beings
 - Transportation in Plants • Excretion in Humans
- **Heredity And Evolution**
 - Heredity • Variation • Speciation • Evolution and fossils
 - Human evolution

CHEMISTRY



- **Metals and Non Metals**
 - Definitions • Properties • Applications
- **Chemical Reactions and Equations**
 - Types of Reactions • Mole concept
- **Carbon and its Compounds**
 - Balancing Chemical equations • IUPAC names
 - Properties and Applications

MATHS



- **Linear Equations in 2 variables**
 - Graphical Method • All method of solving
 - Application
- **Quadratic Equation**
 - Nature of roots • All method of solving • Application
- **Trigonometry**
 - Angle of elevation & depression • Height & Distance
- **Mensuration**
 - All shapes(including frustum) • Application

MENTAL ABILITY



- Analogy and Classification
- Series and Pattern Recognition
- Coding & Decoding
- Logical Sequences and Puzzles

Exam Date: 29th Dec 2024

EXAM PATTERN

- **Paper Pattern**
Part I : Physics; Chemistry; Biology; Maths; Part II : IQ
- **Pattern of Questions**
60 Questions x 04 marks = 240 marks
Mix of MCQ and Numeric type questions
- **Marking Scheme**
+4 for correct answer and -1 for wrong answer
- **Question Distribution**
Physics: 12, Chemistry: 12, Maths: 12, Biology: 12, IQ: 12
- **Medium & Duration Of Exam**
Medium: English only | Duration: 90 Minutes

Note:- It is compulsory to login at least 15 minutes before exam starting time.



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