

Intermediate MPC Syllabus - Distance Education (5 Subjects)

1. Mathematics

- Algebra (Sets, Relations, Functions, Complex Numbers)
- Trigonometry
- Calculus (Limits, Derivatives, Integrals)
- Matrices & Determinants
- Vectors & 3D Geometry
- Probability & Statistics

2. Physics

- Physical World & Units
- Laws of Motion
- Work, Energy & Power
- Thermodynamics
- Electricity & Magnetism
- Optics
- Modern Physics

3. Chemistry

- Atomic Structure & Chemical Bonding
- States of Matter & Thermodynamics
- Equilibrium
- Organic Chemistry – Basic Principles
- Electrochemistry
- Coordination Compounds
- Biomolecules

4. English

- Prose & Poetry
- Grammar
- Essay Writing
- Letter Writing
- Comprehension Skills

5. Second Language (Telugu / Hindi / Urdu / etc.)

- Prose Lessons
- Poetry
- Grammar
- Writing Skills