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VIJAY KUMAR CHIRUTHA

EAMCET / EAPCET

(Engineering, Agriculture & Pharmacy Common Entrance Test)



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(ENGINEERING, AGRICULTURE & PHARMACY COMMON ENTRANCE TEST)

Subjects Covered

- **Mathematics**
- **Physics**
- **Chemistry**
- **(Based on Class 11 & Class 12 syllabus of State Boards)**

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MODULE 1: MATHEMATICS – CLASS 11

Algebra

- **Complex Numbers**
- **Quadratic Equations**
- **Progressions (AP, GP)**
- **Permutations & Combinations**
- **Binomial Theorem**
- **Mathematical Induction**

Trigonometry

- **Trigonometric Ratios & Identities**
- **Trigonometric Equations**
- **Inverse Trigonometric Functions**

Coordinate Geometry

- **Straight Lines**
- **Pair of Straight Lines**
- **Circles**

Calculus (Introductory)

- **Limits & Continuity**
- **Differentiation (Basic)**

Advanced Algebra

- **Matrices**
- **Determinants**
- **Vector Algebra**

Coordinate Geometry

- **Parabola**
- **Ellipse**
- **Hyperbola**
- **Three Dimensional
Geometry**

Calculus

- **Differentiation (Advanced)**
- **Applications of Derivatives**
- **Integration**
- **Definite Integrals**
- **Differential Equations**

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MODULE 3: PHYSICS – CLASS 11

Mechanics

- **Units & Measurements**
- **Motion in a Straight Line**
- **Motion in a Plane**
- **Laws of Motion**
- **Work, Energy & Power**
- **Centre of Mass & Rotational Motion**
- **Gravitation**

Oscillations & Waves

- **Oscillations**
- **Waves**

Properties of Matter

- **Mechanical Properties of Solids**
- **Mechanical Properties of Fluids**

Thermodynamics

- **Thermal Properties of Matter**
- **Thermodynamics**
- **Kinetic Theory of Gases**

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MODULE 4: PHYSICS – CLASS 12

Electricity & Magnetism

- **Electrostatics**
- **Current Electricity**
- **Magnetic Effects of Current**
- **Magnetism**

Optics

- **Ray Optics**
- **Wave Optics**

Electromagnetic Induction & AC

- **Electromagnetic Induction**
- **Alternating Current**

Modern Physics

- **Dual Nature of Radiation**
- **Atoms**
- **Nuclei**
- **Semiconductor Electronics**

Physical Chemistry

- **Some Basic Concepts of Chemistry**
- **Atomic Structure**
- **States of Matter**
- **Thermodynamics**
- **Chemical Equilibrium**

Organic Chemistry

- **Basic Organic Chemistry**
- **Hydrocarbons**

Inorganic Chemistry

- **Classification of Elements**
- **Periodic Properties**
- **Chemical Bonding**

Physical Chemistry

- Solid State
- Solutions
- Electrochemistry
- Chemical Kinetics
- Surface Chemistry

Inorganic Chemistry

- p-Block Elements
- d & f Block Elements
- Coordination Compounds
- Environmental Chemistry

Organic Chemistry

- Haloalkanes & Haloarenes
- Alcohols, Phenols & Ethers
- Aldehydes & Ketones
- Carboxylic Acids
- Amines
- Polymers
- Biomolecules

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MODULE 7: EAMCET EXAM PATTERN & STRATEGY

- Exam Structure & Marking Scheme
- Time Management Techniques
- Accuracy Improvement Methods
- Formula & Shortcut Techniques
- Common Mistakes & How to Avoid Them

MODULE 8: PRACTICE & ASSESSMENT

- Topic-Wise Practice Tests
- Chapter-Wise Tests
- Full-Length Mock Tests
- Previous Year EAMCET Questions
- Weekly & Monthly Assessments

MODULE 9: REVISION & FINAL PREPARATION

- Formula Revision
- Important Numerical Problems
- High-Weightage Topics
- Speed Enhancement Practice
- Final Mock Analysis

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Note this

**Please do refer Your official Notification about
the Syllabus and Topics, Subjects , Respective
state**

Thanks

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**THANK YOU
SO MUCH**

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