

**IIT**

**JEE**

**Preparation**

**(2 years**

**Course)**

A+ACADEMY

## Maths

Books to be used:-

NCERT, Cengage Publications, RD Sharma  
Objective

Maths will be divided into 6 Slots

Slot 1 -Algebra + Trigonometry

Slot 2-Algebra + Co-ordinate Geometry

Slot 3-Trigonometry + Co-ordinate Geometry

Slot 4-Calculus + Algebra

Slot 5- Vectors + Algebra

First 3 slots will be covered in 11<sup>th</sup> & rest 3 slots will be covered in 12<sup>th</sup> standard.

### Slot 1

- 1) Quadratic Equations
- 2) Sequence & Series
- 3) Trigonometric Ratios & Identities
- 4) Theory of Equations
- 5) Complex Numbers

### Slot 2

- 1) Straight Line
- 2) Pair Of Straight Lines
- 3) Circles

- 4) Binomial Theorem
- 5) Permutation & Combination

### Slot 3

- 1) Trigonometric Equation
- 2) Parabola
- 3) Ellipse
- 4) Hyperbola
- 5) Solution of Triangle

### Slot 4

- 1) Limits
- 2) Continuity & Differentiability
- 3) Methods of Differentiation
- 4) Application of Derivatives
- 5) Integration
- 6) Application of Integrals
- 7) Differential Equation

### Slot 6

- 1) Vectors
- 2) 3-D Geometry

- 3) Lines & Planes
- 4) Binomial Distribution
- 5) Probability
- 6) Statistics

Syllabus will be completed by October of ward 12<sup>th</sup> standard with 3 months of revision ahead.

Nov-Dec- Mock Tests & Final Revision

Jan – JEE Mains

Feb-March – Boards Preparation

April-May – JEE Advanced

## Chemistry

Books to be used:-

NCERT(Inorganic Chemistry) , Pradeep Publications(Organic Chemistry) & Modern Approach to Chemical Calculations by RC Mukherjee(Physical Chemistry)

11<sup>th</sup> Standard

Slot 1-

May-June-July - Upto 30% of Class 11 Portion

Slot 2

Aug-Sept-Oct - Upto 60% of Class 11 Portion & Revision of Slot 1

Slot 3

Nov-Dec - Upto 90% of Class 11 Portion & Revision of Slot 2

Slot 4

Jan - 100% of Class 11 Portion & Revision of Slot 3

Slot 5

Feb - Full revision of Class 11 Portion

## 12<sup>th</sup> Standard

### Slot 4:-

Mar-April-May – 40% of Class 12 Portion  
& Revision of Slot 1

### Slot 5:-

June-July-Aug – 80% of Class 12 Portion  
& Revision of Slot 2 & 4

### Slot 6:-

Sept-Oct – 100% of Class 12 Portion  
& Revision Of Slot 3 & 5

Nov-Dec- Mock Tests & Final Revision

Jan – JEE Mains

Feb-March – Boards Preparation

April-May – JEE Advanced

## Physics

Books to be used:-

NCERT & HC Verma ( Vol 1 & 2)

11<sup>th</sup> Standard

Slot 1-

May-June-July - Upto 30% of Class 11  
Portion

Slot 2

Aug-Sept-Oct - Upto 60% of Class 11 Portion  
& Revision of Slot 1

Slot 3

Nov-Dec - Upto 90% of Class 11 Portion  
& Revision of Slot 2

Slot 4

Jan - 100% of Class 11 Portion  
& Revision of Slot 3

Slot 5

Feb - Full revision of Class 11 Portion

## 12<sup>th</sup> Standard

### Slot 4:-

Mar-April-May – 40% of Class 12 Portion  
& Revision of Slot 1

### Slot 5:-

June-July-Aug – 80% of Class 12 Portion  
& Revision of Slot 2 & 4

### Slot 6:-

Sept-Oct – 100% of Class 12 Portion  
& Revision Of Slot 3 & 5

Nov-Dec- Mock Tests & Final Revision

Jan – JEE Mains

Feb-March – Boards Preparation

April-May – JEE Advanced