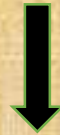


MATHEMATICS



JEE MAIN PAPER PATTERN



30 QUESTIONS
120 MARKS

ARUN
IIT BOMBAY

JEE Main Mathematics Syllabus

❖ Based on Class 11th	❖ Based on Class 12th
➤ Sets ,Relations & Functions	<input type="checkbox"/> Matrices & Determinant
➤ Complex Numbers & Quadratic Equations	<input type="checkbox"/> Limits and Continuity
➤ Permutations Combinations	<input type="checkbox"/> Differentiability
➤ Mathematical Induction	<input type="checkbox"/> Integral Calculus
➤ Binomial Theorem	<input type="checkbox"/> Differential Equations
➤ Sequence and Series	<input type="checkbox"/> 3D Geometry
➤ Coordinate Geometry	<input type="checkbox"/> Vector Algebra
➤ Trigonometry	<input type="checkbox"/> Statistics
➤ Mathematical Reasoning	<input type="checkbox"/> Probability

TOTAL LECTURES
80

1st Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
✓ Coordinate Geometry	✓ Coordinate Geometry	✓ Coordinate Geometry	✓ Coordinate Geometry	✓ Coordinate Geometry

2nd Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
➤ Trigonometry	➤ Trigonometry	➤ Trigonometry	➤ Trigonometry	➤ Complex Numbers & Quadratic Equations

3rd Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
<ul style="list-style-type: none">▪ Complex Numbers & Quadratic Equations	<ul style="list-style-type: none">• Complex Numbers & Quadratic Equations	<ul style="list-style-type: none">• Sets ,Relations & Functions	<ul style="list-style-type: none">• Sets ,Relations & Functions	<ul style="list-style-type: none">• Sets ,Relations & Functions

4th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
<ul style="list-style-type: none">○ Permutations Combinations	<ul style="list-style-type: none">○ Permutations Combinations	<ul style="list-style-type: none">○ Permutations Combinations	<ul style="list-style-type: none">○ Mathematical Induction	<ul style="list-style-type: none">○ Mathematical Induction

5th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
❖ Binomial Theorem	❖ Binomial Theorem	❖ Binomial Theorem	❖ Binomial Theorem	❖ Binomial Theorem

6th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
➤ Sequence and Series	➤ Sequence and Series	➤ Sequence and Series	➤ Sequence and Series	➤ Sequence and Series

7th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
✓ Matrices & Determinant	✓ Matrices & Determinant	✓ Matrices & Determinant	✓ Matrices & Determinant	✓ Matrices & Determinant

8th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
▪ Limits and Continuity	▪ Limits and Continuity	▪ Limits and Continuity	▪ Limits and Continuity	▪ Differentiability

9th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
▪ Differentiability	▪ Differentiability	▪ Differentiability	▪ Integral Calculus	▪ Integral Calculus

10th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
▪ Integral Calculus	▪ Integral Calculus	▪ Integral Calculus	▪ Integral Calculus	▪ Integral Calculus

11th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
<input type="checkbox"/> Differential Equations	<input type="checkbox"/> Differential Equations	<input type="checkbox"/> Differential Equations	<input type="checkbox"/> Differential Equations	<input type="checkbox"/> Differential Equations

12th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
<input type="checkbox"/> 3D Geometry	<input type="checkbox"/> 3D Geometry	<input type="checkbox"/> 3D Geometry	<input type="checkbox"/> 3D Geometry	<input type="checkbox"/> 3D Geometry

13th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
<input type="checkbox"/> Vector Algebra	<input type="checkbox"/> Vector Algebra	<input type="checkbox"/> Vector Algebra	<input type="checkbox"/> Vector Algebra	<input type="checkbox"/> Statistics

14th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
<input type="checkbox"/> Statistics	<input type="checkbox"/> Statistics	<input type="checkbox"/> Probability	<input type="checkbox"/> Probability	<input type="checkbox"/> Probability

15th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
➤ Mathematical Reasoning	➤ Mathematical Reasoning	➤ Revision	➤ Revision	➤ Revision

16th Week Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
➤ Revision	➤ Revision	➤ Revision	➤ Revision	➤ Revision