Class 11 Maths NCERT Timetable as follows:

- **Duration:** 1 May 30 August 2025
- Class Timing: 7:30 PM 8:30 PM
- 177 Weekly Schedule: Tuesday, Thursday, Saturday
- 11 Total Sessions: 60
- **Based on:** NCERT Class 11 Maths Syllabus

#### Week 1: Sets

Class No.	Date	Day	Chapte r	Topics/Subtopics	Description
1	01/05/202 5	Thursda y	Sets	Introduction to Sets	Definition, types, and representations of sets.
2	03/05/202 5	Saturda y	Sets	Venn Diagrams, Subsets	Visual representation and subset concepts.
3	06/05/202 5	Tuesda y	Sets	Set Operations	Union, intersection, and complement of sets.

## Week 2: Sets (continued) + Relations and Functions

Class No.	Date	Day	Chapter	Topics/Subtopic s	Description
4	08/05/202 5	Thursda y	Sets	Cardinality, Power Sets	Counting elements and power sets.
5	10/05/202 5	Saturda y	Relations & Functions	Introduction to Relations	Ordered pairs, Cartesian products, relation concepts.
6	13/05/202 5	Tuesda y	Relations & Functions	Types of Relations	Reflexive, symmetric, transitive relations.

## Week 3: Relations and Functions (continued)

Class No.	Date	Day	Chapter	Topics/Subtopic s	Description
7	15/05/202 5	Thursda y	Relations & Functions	Functions – Definition	Introduction to functions, domain, codomain, and range.
8	17/05/202 5	Saturda y	Relations & Functions	Types of Functions	One-one, onto, and many-one functions.
9	20/05/202 5	Tuesda y	Relations & Functions	Graphs of Functions	Sketching and understanding function graphs.

# Week 4: Trigonometric Functions (Part 1)

Clas s No.	Date	Day	Chapter	Topics/Subtopic s	Description
10	22/05/202 5	Thursda y	Trigonometric Functions	Angles and Radian Measure	Degree and radian conversions, arc length.
11	24/05/202 5	Saturda y	Trigonometric Functions	Trigonometric Ratios	Sine, cosine, tan, sec, cosec, cot – definitions and identities.
12	27/05/202 5	Tuesda y	Trigonometric Functions	Trig Ratios of Standard Angles	Values of trigonometric functions at 0°, 30°, 45°, etc.

# Week 5: Trigonometric Functions (continued)

Clas s No.	Date	Day	Chapter	Topics/Subtopics	Description
13	29/05/202 5	Thursda y	Trigonometric Functions	Trig Identities	Fundamental identities, proofs, and applications.
14	31/05/202 5	Saturda y	Trigonometric Functions	Signs and Values in Different Quadrants	ASTC rule and transformations in different quadrants.
15	03/06/202 5	Tuesda y	Trigonometric Functions	General Solutions of Equations	General solutions for basic trig equations.

# Week 6: Trigonometric Functions (conclusion) + Complex Numbers

Clas s No.	Date	Day	Chapter	Topics/Subtopics	Description
16	05/06/202 5	Thursda y	Trigonometric Functions	Graphs of Trig Functions	Plotting sine, cosine, and tan functions.
17	07/06/202 5	Saturda y	Complex Numbers	Introduction to Complex Numbers	Definition, imaginary unit, and basic form (a + bi).
18	10/06/202 5	Tuesda y	Complex Numbers	Algebra of Complex Numbers	Addition, subtraction, multiplication, conjugates.

## Week 7: Complex Numbers (continued)

Class No.	Date	Day	Chapter	Topics/Subtopics	Description
19	12/06/202 5	Thursda y	Complex Numbers	Modulus, Conjugate, Argand Plane	Geometric representation of complex numbers.
20	14/06/202 5	Saturda y	Complex Numbers	Quadratic Equations with Complex Roots	Solving equations with imaginary roots.
21	17/06/202 5	Tuesda y	Complex Numbers	Division and Properties	Division of complex numbers and identities.

### Week 8: Linear Inequalities

Class No.	Date	Day	Chapter	Topics/Subtopics	Description
22	19/06/202 5	Thursda y	Linear Inequalities	Introduction and Notation	Linear inequalities in one variable.
23	21/06/202 5	Saturda y	Linear Inequalities	Solving Inequalities	Rules of inequality, solving algebraically.
24	24/06/202 5	Tuesda y	Linear Inequalities	Graphical Solution (2 variables)	Graphing solutions on coordinate plane.

# Week 9: Linear Inequalities (continued) + Permutations and Combinations

Clas s No.	Date	Day	Chapter	Topics/Subtopics	Description
25	26/06/202 5	Thursda y	Linear Inequalities	Application-Based Problems	Word problems using inequalities.
26	28/06/202 5	Saturda y	Permutations & Combinations	Introduction to Permutations	Meaning and formula for permutations.
27	01/07/202 5	Tuesda y	Permutations & Combinations	Fundamental Principle of Counting	Using multiplication principle in arrangements.

## Week 10: Permutations and Combinations (continued)

Clas s No.	Date	Day	Chapter	Topics/Subtopic s	Description
28	03/07/202 5	Thursda y	Permutations & Combinations	Permutations with Repetition	Arrangements with identical items.
29	05/07/202 5	Saturda y	Permutations & Combinations	Introduction to Combinations	Difference between permutation and combination.
30	08/07/202 5	Tuesda y	Permutations & Combinations	Properties and Identities	Problems using nCr and related identities.

#### Week 11: Binomial Theorem

Class No.	Date	Day	Chapter	Topics/Subtopics	Description
31	10/07/202 5	Thursda y	Binomial Theorem	Introduction & Statement	Statement of the theorem and general term.
32	12/07/202 5	Saturda y	Binomial Theorem	Expansion of (x + a) <sup>n</sup>	Application of theorem to expand expressions.
33	15/07/202 5	Tuesda y	Binomial Theorem	Properties & Middle Terms	Finding specific terms, especially middle ones.

# Week 12: Sequences and Series

Class No.	Date	Day	Chapter	Topics/Subtopics	Description
34	17/07/202 5	Thursda y	Sequences & Series	Introduction to Sequences	Defining sequences, general terms.
35	19/07/202	Saturda	Sequences	Arithmetic	nth term, sum of n
	5	y	& Series	Progression (AP)	terms in AP.
36	22/07/202	Tuesda	Sequences	Geometric	nth term, sum of n
	5	y	& Series	Progression (GP)	terms in GP.

Week 13. Sequences and Series (continued) · Straight Lines					
Class No.	Date	Day	Chapter	Topics/Subtopics	Description
37	24/07/202 5	Thursda y	Sequences & Series	Properties of GP, Special Series	Sum to infinity, special series formulas.
38	26/07/202 5	Saturda y	Straight Lines	Basics of Coordinate Geometry	Distance, section, and midpoint formulas.
39	29/07/202 5	Tuesda y	Straight Lines	Slope of a Line	Definition, types of slope, slope of lines between two points.

#### Week 13: Sequences and Series (continued) + Straight Lines

# Week 14: Straight Lines (continued)

Class No.	Date	Day	Chapter	Topics/Subtopics	Description
40	31/07/202 5	Thursda y	Straight Lines	Equation of Line (various forms)	Point-slope, slope-intercept, two-point form.
41	02/08/202 5	Saturda y	Straight Lines	General Equation of Line	Standard form, conversion, and examples.
42	05/08/202 5	Tuesda y	Straight Lines	Angle Between Two Lines	Formula and cases (parallel, perpendicular).

#### Week 15: Conic Sections

Class No.	Date	Day	Chapter	Topics/Subtopic s	Description
43	07/08/202 5	Thursda y	Conic Sections	Introduction to Conics	Definition of conics, focus-directrix.
44	09/08/202 5	Saturda y	Conic Sections	Parabola	Standard equation, properties, graph.
45	12/08/202 5	Tuesda y	Conic Sections	Ellipse	Standard form, parameters, graphing.

## Week 16: Conic Sections (continued) + Introduction to 3D Geometry

Class No.	Date	Day	Chapter	Topics/Subtopics	Description
46	14/08/202 5	Thursda y	Conic Sections	Hyperbola, Summary of Conics	Standard form, differences among conics.
47	16/08/202 5	Saturda y	3D Geometry	Introduction and Coordinates in 3D	Points in space, coordinate axes, quadrants.
48	19/08/202 5	Tuesda y	3D Geometry	Distance Between Two Points	Formula, examples, application.

# Week 17: 3D Geometry (continued) + Introduction to Limits and Derivatives

Class No.	Date	Day	Chapter	Topics/Subtopics	Description
49	21/08/202 5	Thursda y	3D Geometry	Section Formula in 3D	Internal & external division of a line segment.
50	23/08/202 5	Saturda y	3D Geometry	Midpoint Formula in 3D	Formula and problems on midpoint in 3D space.
51	26/08/202 5	Tuesda y	Limits & Derivatives	Introduction, Intuitive Concept	Meaning of limit and derivative with real examples.

#### Week 18: Limits and Derivatives :

Class No.	Date	Day	Chapter	Topics/Subtopics	Description
52	28/08/202 5	Thursda y	Limits & Derivatives	Limits of Polynomial and Rational Functions	Basic limit laws and standard limits.
53	30/08/202 5	Saturda y	Limits & Derivatives	Trigonometric Limits	Limits involving sin, cos, tan functions.

Clas s No.	Date	Day	Chapter	Topics/Subto pics	Description
61	18/09/2 025	Thurs day	Mathemati cal Reasoning	Introduction, Statements	Difference between statements and sentences; identifying mathematical statements.
62	20/09/2 025	Saturd ay	Mathemati cal Reasoning	Logical Connectives	Connectives like "and", "or", "not", "if-then", "if and only if".
63	23/09/2 025	Tuesd ay	Mathemati cal Reasoning	Truth Tables	Constructing truth tables for compound statements.

## Week 19: Mathematical Reasoning

#### Week 20: Statistics

Clas s No.	Date	Day	Chapte r	Topics/Subtopics	Description
54	02/09/202 5	Tuesda y	Statistic s	Measures of Dispersion – Introduction	Understanding variability and the need for measuring dispersion.
55	04/09/202 5	Thursda y	Statistic s	Range, Mean Deviation	Calculation and interpretation of range and mean deviation.
56	06/09/202 5	Saturda y	Statistic s	Variance and Standard Deviation	Formulae and examples on variance and standard deviation for grouped data.

# Week 21: Statistics (continued) + Introduction to Probability

Class No.	Date	Day	Chapter	Topics/Subtopics	Description
57	09/09/202 5	Tuesda y	Statistics	Summary and Applications	Summary of formulas and application-based problems.
58	11/09/202 5	Thursda y	Probabilit y	Introduction, Random Experiments	Concept of trials, outcomes, sample space, and events.
59	13/09/202 5	Saturda y	Probabilit y	Empirical (Experimental) Probability	Meaning and calculation of experimental probability.

# Week 22: Probability (continued)

Class No.	Date	Day	Chapter	Topics/Subtopic s	Description
60	16/09/202 5	Tuesda y	Probabilit y	Theoretical Probability	Classical approach, formula, and examples.