



Sir Padampat Singhanian Education Centre

Kamla Nagar, Kanpur

Lesson Plan Session 2026-2027 Class: X

Subject : MATHEMATICS
Book : NCERT

Subject Coordinator
Name: Ms. Gargi Chaudhuri

Head of Department
Name: Mohd Abid Jafri

Sign:

Sign:



Sir Padampat Singhanian Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2026 - 2027

Subject: Mathematics

Class: X

No. of periods: 190

Month	Assessed in	Lesson/s to be covered	Period Count
APRIL	MAY	Real Numbers, Polynomials, Pairs of Linear Equations in two variables	30
MAY	JULY	Quadratic Equations, Arithmetic Progression	35
JULY	JULY	Triangles, Co-ordinate geometry, Introduction to Trigonometry	45
AUG	SEPT	Some Applications of Trigonometry, Circles Areas Related to Circles	40
SEPT	SEPT	HALF-YEARLY EXAMINATION Surface Area and Volume	10
OCT	NOV	Statistics Probability	30
NOV	NOV	Revision Pre- Board I	
DEC	DEC	Revision Pre- Board I	
JAN	FEB	Revision	
FEB	FEB	Revision BOARD EXAMINATION	

Subject coordinator: Ms. Gargi Chaudhuri

HOD: Mohd Abid Jafri



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly lesson plan overview

Session: 2026 - 2027

Subject : Mathematics
Book : NCERT

Class : X
No. of periods : 183

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	To				
02.04.20 26	11.04.20 26	Real Numbers	9		
13.04.20 26	18.04.20 26	Polynomials	7		
20.04.20 26	25.04.20 26	Pair of Linear Equations in two variables	7		
26.04.20 26	02.05.20 26	Pair of Linear Equations in two variables, Quadratic Equations	6		
04.05.20 26	09.05.20 26	Quadratic Equations + Revision	7		
11.05.20 26	16.05.20 26	Revision			
18.05.20 26	23.05.20 26	Quadratic Equations + Arithmetic Progression	7		
25.05.20 26	30.05.20 26	Arithmetic Progression	6		
29.06.20 26	04.07.20 26	Triangles	7		
06.07.20 26	11.07.20 26	Triangles	7		
13.07.20 26	18.07.20 26	Triangles + Revision	7		
21.07.20 26	25.07.20 26	Periodic Test II + Co-ordinate Geometry	7		
27.07.20 26	01.08.20 26	Introduction to Trigonometry	7		
03.08.20 26	08.08.20 26	Introduction to Trigonometry + Some Applications of Trigonometry	7		
10.08.20 26	15.08.20 26	Some Applications of Trigonometry + Circles	6		
17.08.20 26	22.08.20 26	Circles + Areas Related to Circles	7		

24.08.20 26	29.08.20 26	Areas Related to Circles	5		
31.08.20 26	05.09.20 26	Revision			
07.09.20 26	12.09.20 26	Revision			
14.09.20 26	19.09.20 26	Half Yearly Examination			
21.09.20 26	26.09.20 26	Half Yearly Examination			
28.09.20 26	03.10.20 26	Surface Area and Volume	7		
05.10.20 26	10.10.20 26	Surface Area and Volume	7		
12.10.20 26	17.10.20 26	Statistics	7		
19.10.20 26	24.10.20 26	Statistics	7		
26.10.20 26	31.10.20 26	Probability (Syllabus completed)	7		
01.11.20 26	30.11.20 26	Revision Pre- Board I			
01.12.20 26	31.12.20 26	Revision Pre- Board II			
01.01.20 27	31.01.20 27	Revision			
01.02.20 27	15.02.20 27	Revision			



Sir Padampat Singhan Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2026 - 2027

Subject : Mathematics

Class : X

No. of periods: 183

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1: 02 April to 11 April		Period Count: 07	
PD1	Introduction of Real Numbers		
PD2	Fundamental Theorem of Arithmetic Exercise 1.1		
PD3	Exercise 1.1		
PD4	Proof of Irrational Numbers $\sqrt{2}, \sqrt{3}, \sqrt{5}$, etc		
PD5	Exercise 1.2		
PD6	Exercise 1.2		
PD7	Exercise 1.2 complete		
Note: Good Friday on 03.04.2026			
WEEK 2: 13.04.2026 to 18.04.2026		Period Count: 06	
PD1	Introduction of Polynomials Geometrical meaning of Zeroes of Polynomial		
PD2	Exercise 2.1 completed		
PD3	Relationship between Zeroes of Polynomial and coefficients of a polynomial		Ambedkar Jayanti Holiday 14.04.2026
PD4	Formation of Quadratic Polynomial		
PD5	Exercise 2.2		
PD6	Exercise 2.2 complete		
WEEK 3: 20 April to 25 April		Period Count: 07	

PD1	Introduction of Pair of Linear Equations in Two Variables (Graph)		
PD2	Conditions for Intersecting/Coincident/Parallel lines Conditions for Consistency/Inconsistency		
PD3	Exercise 3.1		
PD4	Exercise 3.1		
PD5	Algebraic Methods to Solve Pair of Linear Equations in Two Variables (Substitution Method) Exercise 3.2		
PD6	Exercise 3.2		
PD7	Exercise 3.2		
Note:			

Subject coordinator

Supervisor

Principal/V. Principal

WEEK 4: 27 April to 02 May		Period Count: 06	
PD1	Exercise 3.2 complete		
PD2	Algebraic Methods to Solve Pair of Linear Equations in Two Variables (Elimination Method)		
PD3	Exercise 3.3		
PD4	Exercise 3.3 complete		
PD5	Workbook + Notebook completion		
PD6	Workbook + Notebook completion		
Note: Budhh Purnima on 01.05.2026			

WEEK 5: 04 May to 09 May		Period Count: 07	
PD1	Introduction of Quadratic Equations		
PD2	Exercise 4.1		
PD3	Exercise 4.1		

PD4	Factorisation + (Exercise 4.2)		
PD5	Exercise 4.2		
PD6	Nature of Roots (Exercise 4.3)		
PD7	Exercise 4.3 completed		
Note:			

WEEK 6: 11 May to 16 May		Period Count: 07	
PD1	Revision for PT-1 MODEL PAPER		
PD2	MODEL PAPER		
PD3	WORKBOOK + Revision		
PD4	WORKBOOK + Revision		
PD5	WORKBOOK + Revision		
PD6	WORKBOOK + Revision		
PD7	PT-1 answer discussed		
Note:			

WEEK 7: 18 May to 23 May		Period Count: 07	
PD1	Introduction of Arithmetic Progression Exercise 5.1		
PD2	Exercise 5.1		
PD3	n^{th} Term of an Arithmetic Progression Exercise 5.2		
PD4	Exercise 5.2		
PD5	Exercise 5.2		
PD6	Sum of first n terms of an A.P. Exercise 5.3		

PD7	Exercise 5.3		
Note:			

WEEK 8: 25 May to 30 May		Period Count: 06	
PD1	Exercise 5.3		
PD2	Exercise 5.3		
PD3	Workbook + Lab Manual		
PD4	Workbook + Lab Manual		
PD5	Workbook + Lab Manual		
PD6	Workbook + Lab Manual		
PD7	Workbook + Lab Manual		
Note: Eid-ul-Azha Holiday			

WEEK 9: 29 June to 04 July		Period Count: 07	
PD1	Introduction of Triangles (Similarity)		
PD2	Exercise 6.1		
PD3	Basic Proportionality/Thales Theorem		
PD4	Basic Proportionality/Thales Theorem (converse)		
PD5	Exercise 6.2		
PD6	Exercise 6.2		
PD7	Exercise 6.2		
Note:			

WEEK 10: 06 July to 11 July		Period Count: 07	
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PD1	Criteria of Similarity of Triangles		
PD2	Exercise 6.3		
PD3	Exercise 6.3		
PD4	Exercise 6.3		
PD5	Introduction of Co-ordinate Geometry		
PD6	Distance Formula Exercise 7.1		
PD7	Exercise 7.1 completed		
Note:			

WEEK 11: 13 July to 18 July		Period Count: 07	
PD1	Section Formula Exercise 7.2		
PD2	Exercise 7.2		
PD3	Exercise 7.2 completed		
PD4	Revision + Workbook		
PD5	Revision + Workbook		
PD6	Revision + Workbook		
PD7	Model Paper		
Note:			

WEEK 12: 20 July to 25 July		Period Count: 07	
PD1	Model Paper		
PD2	Revision		
PD3	Revision		

PD4	Revision		
PD5	Revision		
PD6	Revision		
PD7	PT-2 answer discussed		
Note:			

WEEK 13: 27 July to 01 August		Period Count: 07	
PD1	Introduction to Trigonometry Exercise 8.1		
PD2	Exercise 8.1		
PD3	Trigonometric Ratios of Specific Angles 0.30.45,60 and 90 degrees Exercise 8.2		
PD4	Exercise 8.2		
PD5	Trigonometric Identities Exercise 8.3		
PD6	Exercise 8.3		
PD7	Exercise 8.3		
Note:			

WEEK 14: 03 August to 08 August		Period Count: 07	
PD1	Exercise 8.3 completed		
PD2	Introduction of Some Applications of Trigonometry		
PD3	Exercise 9.1		
PD4	Exercise 9.1		
PD5	Exercise 9.1		
PD6	Exercise 9.1		

PD7	Exercise 9.1 completed		
Note:			

WEEK 15: 10 August to 15 August		Period Count: 06	
PD1	Introduction of Circles		
PD2	Exercise 10.1		
PD3	Theorems 10.1 and 10.2		
PD4	Exercise 10.2		Independence Day 15 th August
PD5	Exercise 10.2		
PD6	Exercise 10.2 completed		
Note: Worksheet, Lab Manual done			

WEEK 16: 17 August to 22 August		Period Count: 07	
PD1	Introduction of Areas Related to Circles Areas of sectors/segment and Length of Arc		
PD2	Exercise 11.1		
PD3	Exercise 11.1		
PD4	Exercise 11.1		
PD5	Exercise 11.1		
PD6	Exercise 11.1		
PD7	Exercise 11.1 completed		
Note:			

WEEK 17: 24 August to 29 August		Period Count: 05	
PD1	Workbook + Revision		

PD2	Workbook + Revision		
PD3	Workbook + Revision		
PD4	Lab Manual		
PD5	Lab Manual		
Note: Eid-ul-Milad (26.08.2026) and Raksha Bandhan (28.08.2026) Holiday			

WEEK 18: 31 August to 05 September		Period Count: 06	
PD1	Model Paper		
PD2	Model Paper		
PD3	Model Paper		
PD4	Model Paper		
PD5	Revision for Half yearly exam		
PD6	Revision for Half yearly exam		
Note: Shree Krishna Janmashtami Holiday on 04.09.2026			

WEEK 19: 07 September to 12 September		Period Count: 07	
PD1	Revision for Half yearly exam		
PD2	Revision for Half yearly exam		
PD3	Revision for Half yearly exam		
PD4	Revision for Half yearly exam		
PD5	Revision for Half yearly exam		
PD6	Revision for Half yearly exam		
PD7	Revision for Half yearly exam		

WEEK 20: 14 September to 25 September			Period Count: 00
PD1	Half Yearly Exam		
PD2	Half Yearly Exam		
PD3	Half Yearly Exam		
PD4	Half Yearly Exam		
PD5	Half Yearly Exam		
PD6	Half Yearly Exam		
PD7	Half Yearly Exam		
Note: Half Yearly Exam for two weeks			

WEEK 21: 28 September to 03 October			Period Count: 06
PD1	Introduction of Surface Area and Volume		
PD2	Exercise 12.1		
PD3	Exercise 12.1		
PD4	Exercise 12.1		
PD5	Combinations of Solid Figures		
PD6	Exercise 12.2		
Note: Mahatma Gandhi Jayanti Holiday on 02.10.2026			

WEEK 22: 05 October to 10 October			Period Count: 07
PD1	Exercise 12.2		
PD2	Exercise 12.2		
PD3	Exercise 12.2 completed		

PD4	Workbook + Lab Manual		
PD5	Workbook + Lab Manual		
PD6	Workbook + Lab Manual		
PD7	Workbook + Lab Manual		
Note:			

WEEK 23: 12 October to 17 October		Period Count: 07	
PD1	Introduction of Statistics		
PD2	Mean (Direct Method, Assumed Mean Method, Step Deviation Method)		
PD3	Exercise 13.1		
PD4	Exercise 13.1		
PD5	Exercise 13.1		
PD6	Mode of grouped data		
PD7	Exercise 13.2		
Note:			

WEEK 24: 19 October to 24 October		Period Count: 05	
PD1	Exercise 13.2		
PD2	Median of grouped data Exercise 13.3		
PD3	Exercise 13.3		
PD4	Workbook + Lab Manual		
PD5	Workbook + Lab Manual		
Note: Dussehra Holidays on 19.10.2026 and 20.10.2026			

WEEK 25: 26 October to 31 October			Period Count: 07
PD1	Introduction of Probability		
PD2	Sample Space of various random experiments		
PD3	Exercise 14.1		
PD4	Exercise 14.1		
PD5	Exercise 14.1		
PD6	Exercise 14.1 Syllabus Completed		
PD7	Revision		
Note:			

WEEK 26 and 27: 01 November to 14 November			Period Count: 11
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
PD7	Revision		
Note: Deepawali Holidays (09, 10, 11 November 2026)			

WEEK 28 and 29: 16 November to 27 November			Period Count: 00
PD1	Pre-Board -1		
PD2	Pre-Board -1		

PD3	Pre-Board -1		
PD4	Pre-Board -1		
PD5	Pre-Board -1		
PD6	Pre-Board -1		
PD7	Pre-Board -1		
Note:			

WEEK 30 and 31: 30 November to 16 December		Period Count: 14	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
PD7	Revision		
Note:			

WEEK 32 and 33: 17 December to 28 December		Period Count: 14	
PD1	Pre-Board -2		
PD2	Pre-Board -2		
PD3	Pre-Board -2		
PD4	Pre-Board -2		
PD5	Pre-Board -2		

PD6	Pre-Board -2		
PD7	Pre-Board -2		
Note:			

WEEK 34,35,36,37,38,39 and 40: 29 December to 15 February		Period Count: 50	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
PD7	CBSE BOARD EXAM		
Note:			

Subject coordinator: Ms. Gargi Chaudhuri

HOD: Mohd Abid Jafri