

Sir Padampat Singhania Education Centre Kamla Nagar, Kanpur

# Lesson Plan Session 2025 - 2026 Class: X

Subject Book : MATHEMATICS : NCERT

**Subject Coordinator** Name: Mohd Abid Jafri **Head of Department** Name: Mohd Abid Jafri

Sign:

Sign:



Kamla Nagar, Kanpur

#### Yearly Syllabus/Planning overview

#### Session: 2025- 2026

Subject

: MATHEMATICS

Class : X

No. of periods:

Month	Assessed in	Lesson/s to be covered	Period Count
APRIL	МАҮ	Real Numbers, Polynomials, Pairs of Linear Equations in two variables	14
MAY	MAY	Pairs of Linear Equations in two variables (Continued), Quadratic Equations, Arithmetic Progression	28
JULY	JULY	Arithmetic Progression (Continued), Triangles, Co-ordinate geometry	31
AUGUST	SEPTEMBER	Introduction to Trigonometry Some Applications of Trigonometry	30
SEPTEMBER	SEPTEMBER	Circles Areas Related to Circles	14
OCTOBER	NOVEMBER	Surface Area and Volume Statistics Probability	28
NOVEMBER	NOVEMBER	Revision Pre- Board I	18
DECEMBER	DECEMBER	Revision	28
JANUARY	JANUARY	Revision Pre- Board II	15
FEBRUARY	BOARD EXAMINATION	Revision BOARD EXAMINATION	14

Subject coordinator: Mohd Abid Jafri HOD: Mohd Abid Jafri

## Sir Padampat Singhania Education Centre

#### Kamla Nagar, Kanpur Monthly Syllabus/Planning overview Session: 2025- 2026

Subject : Mathematics Class : X No. of periods :\_\_\_\_ Date/Week Period Month Lesson/s to be covered in classroom From Count То April 15/04/25 19/04/25 **Real Numbers** 06 April 21/04/25 26/04/25 Polynomials 07 April/ Pair of Linear Equations in two variables 28/04/25 03/05/25 07 May May 05/05/25 10/05/25 Revision (Workbook) 07 May 13/05/25 17/05/25 Periodic Test I + Quadratic Equations 07 Mav 19/05/25 24/05/25 Quadratic Equations + Arithmetic Progression 07 26/05/25 07 Mav 31/05/25 Arithmetic Progression June 27/06/25 28/06/25 07 Triangles 30/06/25 05/07/25 07 July Triangles 07/07/25 Triangles + Revision 07 July 12/07/25 July 14/07/25 19/07/25 Revision + Periodic Test II 07 July 21/07/25 26/07/25 Periodic Test II + Co-ordinate Geometry 07 July/ Co- ordinate Geometry + Introduction to 28/07/25 02/08/25 07 August Trigonometry Introduction to Trigonometry 07 August 04/08/25 09/08/25 07 Introduction to Trigonometry August 11/08/25 14/08/25 Some Applications of Trigonometry 07 August 18/08/25 23/08/25 Some Applications of Trigonometry August 25/08/25 30/08/25 07 Septem Circles 06/09/25 01/09/25 07 ber

Septem ber	08/09/25	13/09/25	Areas Related to Circles + Revision for Half Yearly	07
Septem ber	15/09/25	20/09/25	Half Yearly Examination	00
Septem ber	22/09/25	27/09/25	Half Yearly Examination	00
Septem ber/ October	29/09/25	04/10/25	Surface Area and Volume	07
October	06/10/25	11/10/25	Surface Area and Volume	07
October	13/10/25	18/10/25	Statistics	07
October	24/10/25	25/10/25	Statistics	02
October	27/10/25	31/10/25	Probability	07
November -February	01/11/25	14/02/26	Revision + Pre-Board I + Pre-Board II	78

Subject coordinator: Mohd Abid Jafri

HOD: Mohd Abid Jafri

SIR PACAMPAT SINGPANA EDUCATION CENTRE KONTING BRIGHT MINDS	<b>Sir Padampat Singhania E</b> Kamla Nagar, Kanp	Education	Centre
Subject	Weekly planning over Session: 2025- 202 : Mathematics Class : X	e <b>rview</b> 26 No. of pe	eriods :
Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
	<b>WEEK 1:</b> 15/04/2 <b>to</b> 19/04/25	Period C	count: 07
PD1	Introduction of Real Numbers		
PD2	Fundamental Theorem of Arithmetic Exercise 1.1		
PD3	Exercise 1.1		
PD4	Proof of Irrational Numbers $\sqrt{2}, \sqrt{3}, \sqrt{5}$ , Exercise 1.2		
PD5	GOOD FRIDAY		
PD6	Exercise 1.2 complete		
	<b>WEEK 2 :</b> 21/04/25 <b>to</b> 26/04/25	Period	Count: 07
PD1	Introduction of Polynomials Geometrical meaning of Zeroes of Polynomial Exercise 2.1		
PD2	Relationship between Zeroes of Polynomial Formation of Quadratic Polynomial		
PD3	Exercise 2.2 complete		
PD4	Introduction of Pair of Linear Equations in Two Variables (Graph)		
PD5	Conditions for Intersecting/Coincident/Parallel lines Conditions for Consistency/Inconsistency		
PD6	Exercise 3.1		

SR PAGARPAT SINGHANA EDUCATION CENTRE IGNITING BRIGHT MINDS	Sir Padampat Singhania E Kamla Nagar, Kanpi	ducation	Centre
Subject	Weekly planning over Session: 2025- 202 : Mathematics Class : X	<b>rview</b> 6 No. of pe	riods :
Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
	<b>WEEK 3 :</b> 28/04/25 <b>to</b> 03/05/25	Period (	Count:
PD1	Algebraic Methods to Solve Pair of Linear Equations in Two Variables (Substitution Method) Exercise 3.2		
PD2	Exercise 3.2		
PD3	Exercise 3.2 complete		
PD4	Algebraic Methods to Solve Pair of Linear Equations in Two Variables (Elimination Method)		
PD5	Exercise 3.3		
PD6	Exercise 3.3 complete		
	<b>WEEK 4:</b> 05/05/25 <b>to</b> 09/05/25	Period C	ount:
PD1	Workbook		
PD2	Workbook		
PD3	Workbook		
PD4	Workbook		
PD5	ASSIGNMENT + Workbook		
PD6	ASSIGNMENT + Workbook		

Supervisor

Principal/V. Principal

MARKET STREAM	<b>Sir Padampat Singhania I</b> Kamla Nagar, Kanj	Education	Centre
Subject	Weekly planning ov Session: 2025- 20 Class : X	<b>erview</b> 26 No. of pe	riods :
Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
w	EEK 5 :13/05/2025 to 17/05/2025	Period	1 Count:
PD1	Lab Manual		
PD2	Lab Manual		
PD3	Lab Manual		
PD4	Introduction of Quadratic Equations		
PD5	Exercise 4.1		
PD6	Exercise 4.1		
PD 7	Nature of Roots (Exercise 4.2)		
v	VEEK 6 : 19/05/25 to 24/05/2025	Period	Count:
PD1	Exercise 4.2		
PD2	Exercise 4.3		
PD3	Exercise 4.3		
PD4	Exercise 4.3		
PD5	Introduction of Arithmetic Progression Exercise 5.1		
PD6	Exercise 5.1		
PD 7	<i>n<sup>th</sup></i> Term of an Arithmetic Progression Exercise 5.2		

Supervisor

Principal/V. Principal

SIR PADAMPAT SINGHANIA EDUCATION CENTRE NITING BRIGHT MINDS	1	<b>G</b> Kamla Nagar, Kanj	pur	
	Week	ly planning ov	erview	
Subject : Mathematics Class : X		Class : X	No. of periods :	
Period	Topic/s to be covered in classroom		Homework	Status (Yes/No) (Reason if No)
	WEEK 7: 26/05/25 to 31/0	5/25	Period (	Count:
PD1	Exercise 5	.2		
PD2	Exercise 5	.2		
PD3	Sum of first <i>n</i> terms Exercise 5	s of an A.P. .3		
PD4	Exercise 5	.3		
PD5	Exercise 5.3			
PD6	Workbook + Lab Manual HHW			
	WEEK 8: 27/06/25 to 28/0	06/25	Period	Count: 02
PD1	1 Collection of HHW/ Workbook			
PD2	Introduction of Triangles (Similarity)			
	WEEK 9: 30/06/25 to 05/0	7/25	Period (	Count:
PD1	Exercise 6	.1		
PD2	Basic Proportionality/Thales Theorem			
PD3	Basic Proportionality/Thales Theorem (converse)			
PD4	PD4 Exercise 6.2			
PD5	Exercise 6.2			

PD6	Exercise 6.2		
	WEEK 10: 07/07/25 to 12/07/25	Period	Count: 07
PD1	Criteria of Similarity of Triangles		
PD2	Exercise 6.3		
PD3	Exercise 6.3		
PD4	Exercise 6.3		
PD5	Revision		

WEEK 11: 14/07/25 to 19/07/25	Period Count:
PD1	Revision for PT-2 + Workbook
PD2	Revision for PT-2 + Workbook
PD3	Revision for PT-2 + Workbook
PD4	Revision for PT-2 + Workbook
PD5	Revision for PT-2 + Assignment
PD6	Revision for PT-2 + Assignment

#### WEEK 12: 21/07/25 to 26/07/25

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Period Count: \_\_\_\_

PD1	Revision for PT-2
PD2	Revision for PT-2
PD3	Revision for PT-2
PD4	Introduction of Co-ordinate Distance Formula, Exercise 7.1
PD5	Exercise 7.1
PD6	Section Formula

WEEK 13: 28/07/25 to 02/08/25 Period Count:		
PD1	Exercise 7.2	
PD2	Exercise 7.2	
PD3	Exercise 7.2	
PD4	Exercise 7.2	
PD5	Introduction to Trigonometry	
PD6	Exercise 8.1	
WEEK 14: 04/08/25	to 09/08/25 Period Count:	
PD1	Exercise 8.1	
PD2	Exercise 8.1	
PD3	Exercise 8.1	
PD4	Trigonometric Ratios of Specific Angles 0,30,45,60 and 90 degrees	
PD5	Exercise 8.2	
PD6	Exercise 8.2	
WEEK 15: 11/08/25	to 14/08/25 Period Count:	
PD1	Exercise 8.2	
PD2	Trigonometric Identities	
PD3	Exercise 8.3	
PD4	Exercise 8.3	
PD5	Exercise 8.3	
PD6	Workbook	
PD6	Workbook Period Count:	

WEEK 16: 18/08/25 to 23/08/25

PD1	Introduction of Some Applications of Trigonometry
PD2	Exercise 9.1
PD3	Exercise 9.1
PD4	Exercise 9.1
PD5	Exercise 9.1
PD6	Exercise 9.1
WEEK 17: 25/08/25 to 30/08/25	Period Count:
	Workbook
PD1	+ Assignment (Trigonometry)
	Workbook
PD2	+ Assignment (Trigonometry)
	Workbook
PD3	Assignment (Trigonometry)
	Workbook
PD4	Assignment (Trigonometry)
PD5	Lab Manual
PD6	Lab Manual
WEEK 18: 01/09/25 to 06/09/25	Period Count:
PD1	Introduction of Circles
PD2	Exercise 10.1
PD3	Theorems 10.1 and 10.2
PD4	Exercise 10.2
PD5	Exercise 10.2
PD6	Exercise 10.2

WEEK 19: 08/09/25 to 13/09/2	5	Period Count:	
PD1	Int Areas	croduction of Areas Related to Circles s of sectors/segment and Length of Arc	
PD2		Exercise 11.1	
PD3		Revision for Half Yearly	
PD4		Revision for Half Yearly	
PD5		Revision for Half Yearly	
PD6		Revision for Half Yearly	
WEEK 20: 15/09/25 to 20/09/2	5	Period Count:	
PD1		Half Yearly Examination	
PD2		Half Yearly Examination	
PD3		Half Yearly Examination	
PD4		Half Yearly Examination	
PD5		Half Yearly Examination	
PD6		Half Yearly Examination	
WEEK 21: 22/09/25 to 27/09/2	5	Period Count:	
PD1	Half Yearly Examination		
PD2	Half Yearly Examination		
PD3		Half Yearly Examination	
PD4	Half Yearly Examination		
PD5		Half Yearly Examination	

PD6	Half Yearly	Half Yearly Examination		
WEEK 22: 29/09/25 to 04/	/10/25	Period Count:		
PD1	Introduction of Surface Area and Volume			
PD2	Exercise 12.1			
PD3	Exercise 12.1			
PD4	Exercise 12.1			
PD5	Exercise 1	Exercise 12.1		
PD6	Combinations of S	Combinations of Solid Figures		
WEEK 23: 06/10/25 to 11/10/25 Period Count:		Period Count:		
PD1	Exercise 12	2.2		
PD2	Exercise 12	Exercise 12.2		
PD3	Exercise 12	Exercise 12.2		
PD4	Workboo	Workbook		
PD5	Workbook			
PD6	Lab Manu	Lab Manual		
WEEK 24: 13/10	0/25 to 18/10/25 Count:	Period		
PD1	Introduction of S	Statistics		
PD2	Mean (Direct Method, Assume Deviation Me	Direct Method, Assumed Mean Method, Step Deviation Method)		
PD3	Exercise 13	Exercise 13.1		
PD4	Exercise 13	Exercise 13.1		
PD5	Exercise 13	Exercise 13.1		
PD6	Exercise 13.1			

	WEEK 25	: 24/10/25 to 25/10/25	Period Count: _	
	PD1 Mode of grouped data			
D2		Exercise 13.2		
WE	EK 27: 27/10/	25 to 31/10/25	Period Count:	
FD1		Median of grouped	data	]
FD2		Exercise 13.3		
FD3		Introduction of Proba	ability	
FD4		Sample Space of various rando	om experiments	
FD5		Exercise 14.1		]
FD6		Exercise 14.1		
WE	EK 28: 01/11/	25 to 14/02/26	Period Count:	1
		Revision		ſ
		Pre-Board I		
		Pre-Board II		
Subj	ject coordinato	r Supervisor	Principal/	V. Principa

	Weekly nlanning ov	- verview		
ubject	Session: 20 - 2	20 No. of pe	No. of periods :	
Period	Topic/s to be covered in classroom	Homework	Status (Yes/No (Reason if No)	
WEEK _	_: to	:	Period Count:	
PD1				
PD2				
PD3				
WEEK_	_: to	Period Count:		
PD1				
PD2				
PD3				
WEEK_	_: to		Period Count:	
PD1				
PD2				
PD3				
WEEK_	_: to	:	Period Count:	
PD1				
PD2				
PD3				

Supervisor

### Sir Padampat Singhania Education Centre, Kamla Nagar, Kanpur

Book : Publication : Lesson : Class : Session: 20 - 20 Subject:

#### Lesson Plan

**Ques 1.** Ans.

(Ref.: Page 18)

**Ques 2.** Ans.

(Ref.: Page 18)

Ques 3. Ans.

(Ref.: Page 18)

**Note:** This lesson contains one worksheets.

Sir Padampat Singhania Education Centre Kamla Nagar, Kanpur Lesson plan implementation report							
Section	Subject Teacher	Lesson/s to be covered according to lesson plan	Status Yes/No	Reason if not completed			

<u>Remarks:</u>

Subject coordinator:

HOD: