



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

*Lesson Plan*  
*Session 2023- 2024*  
*Class: 11th*

**Subject** : **Mathematics**  
**Book** : **NCERT and R. D. Sharma**

**Subject Coordinator**  
Name: Mr. Animesh Bhattacharya

**Head of Department**  
Name :Mr. S. K. Sharma

Sign:

Sign:



# Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

## Yearly Syllabus/Planning overview

Session: 2023 - 2024

Subject : Mathematics(241)

Class : 11th

No. of periods : 202

Month	Assessed in	Lesson/s to be covered (if partly covered, till where?)	Period Count
April		Sequence and Series, Sets	18
May		Sets, Relations & Functions, Trigonometric Functions	24
July		Trigonometric Functions,	24
August		Complex Numbers and Quadratic Equations, Linear Inequalities	24
September		Permutations and Combinations	12
October		Binomial Theorem, Straight Lines	20
November		Conic Sections, Introduction to Three-dimensional Geometry	20
December		Limits and Derivatives	24
January		Statistics	18
February		Probability	18

Subject coordinator : ABY

HOD: SKS



# Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

## Monthly lesson plan overview

Session: 2023 - 2024

From Date :10/04/23

To Date

:13/03/24

Subject :Mathematics(041)

Class

:11<sup>th</sup>

Book : N.C.E.R.T. and R.D. Sharma

No. of periods

:

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	To				
10/4/23	08/4/23	Sequence and Series. Arithmetic Mean (A.M.) Geometric Progression (G.P.),	3		
10/4/23	15/4/23	Sequence and Series. Arithmetic Mean sum of n terms of a G.P.,	6		
17/4/23	22/4/23	infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M.	4		
24/4/23	29/4/23	Sets and their representations, Empty set, Finite and Infinite sets, Equal sets	6		
01/5/23	06/5/23	Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set. Venn diagrams.	5		
08/5/23	13/5/23	Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement.	5		
15/5/23	20/5/23	Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (upto $R \times R \times R$ )	6		
22/5/23	27/5/23	domain, co-domain and range of a Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions.	6		
29/5/23	31/5/23	Trigonometric Functions Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another.	2		
03/7/23	08/7/23	Definition of trigonometric functions with the help of unit circle. Truth of the identity $\sin^2 x + \cos^2 x = 1$ ,	6		
10/7/23	15/7/23	Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$ , $\sin y$ , $\cos x$ & $\cos y$ and their simple applications	6		
17/7/23	22/7/23	$\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}$ , $\cot(x \pm y) = \frac{\cot x \cot y \mp 1}{\cot y \pm \cot x}$ $\sin \alpha \pm \sin \beta = 2 \sin \frac{\alpha \pm \beta}{2} \cos \frac{\alpha \mp \beta}{2}$	6		

		$\cos\alpha + \cos\beta = 2\cos\frac{1}{2}(\alpha + \beta)\cos\frac{1}{2}(\alpha - \beta)$ $\cos\alpha - \cos\beta = -2\sin\frac{1}{2}(\alpha + \beta)\sin\frac{1}{2}(\alpha - \beta)$ Identities related to $\sin 2x$ , $\cos 2x$ , $\tan 2x$ , $\sin 3x$ , $\cos 3x$			
24/7/23	29/7/23	Identities related to $\sin 2x$ , $\cos 2x$ , $\tan 2x$ , $\sin 3x$ , $\cos 3x$ and $\tan 3x$ .	6		
31/7/23	05/8/23	Complex Numbers and Quadratic Equations	6		
07/8/23	12/8/23	Complex Numbers and Quadratic Equations	5		



## Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

### Monthly lesson plan overview

Session: 2023 - 2024

From Date :03/04/23

To Date

:31 /01/24

Subject :Mathematics(241)

Class

:11<sup>th</sup>

Book : N.C.E.R.T. and R.D. Sharma

No. of periods

:

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	To				
14/8/23	19/8/23	Linear Inequalities	5		
21/8/23	26/8/23	Linear Inequalities	6		
28/8/23	02/9/23	Permutations and Combinations	5		
04/9/23	09/9/23	Permutations and Combinations	4		
11/9/23	16/9/23	Permutations and Combinations, revision	6		
18/9/23	23/09/23	Half Yearly	5		
25/09/23	30/09/23	Half Yearly	6		
02/10/23	07/10/23	Binomial Theorem	6		
09/10/23	14/10/23	Straight Lines , . Slope of a line and angle between two lines	5		
16/10/23	21/10/23	Straight Lines, Various forms of equations of a line: parallel to axis, point -slope form, slope-intercept form, two-point form, intercept form	5		

23/10/23	28/10/23	Straight Lines two-point form, intercept form, Distance of a point from a line.	3		
30/10/23	04/11/23	two-point form, intercept form, Distance of a point from a line. Conic Sections	6		
06/11/23	11/11/23	Conic Sections	4		
13/11/23	18/11/23	Conic Sections	3		
20/11/23	25/11/23	Conic Sections	5		



## *Sir Padampat Singhania Education Centre*

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### Monthly lesson plan overview

**Session: 2023 - 2024**

**From Date** :10/04/23

**To Date**

:31 /01/24

**Subject** :Mathematics(041)

**Class** :11

**Book** : N.C.E.R.T. and R.D.Sharma

**No. of periods** :

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	To				
27/11/23	02/12/23	Introduction to Three-dimensional Geometry	6		
04/12/23	09/12/23	Descriptive Statistics	5		
11/12/23	16/12/23	Limits and Derivatives	6		
18/12/23	23/12/23	Limits and Derivatives	6		
25/12/23	30/12/23	Limits and Derivatives	5		
08/01/24	13/01/24	Statistics	6		
15/01/24	20/01/24	Statistics	4		
22/01/24	27/01/24	Statistics	5		
29/01/24	03/02/24	Probability	2		
05/02/24	10/02/24	Probability			

12/02/24	17/02/24	REVISION			
19/02/24	24/02/24	REVISION			



## Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

### Weekly planning overview

Session: 2023 - 2024

**Subject** : Mathematics(041)      **Class** : 11      **No. of periods** : 6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK 1: 10/04/23 to 08/04/23 Period Count: 04</b>			
PD1	Arithmetic Mean (A.M.)	Exercise 1	
PD2	Mahavir Jayanti		
PD3	Arithmetic Mean (A.M.), Geometric Progression (G.P.),	Exercise 1	
PD4	General term of a G.P.		
PD5	General term of a G.P.,		
PD6	Good Friday		
<b>WEEK 2: 10/04/23 to 15/4/23 Period Count: 06</b>			
PD1	Sum of n terms of a G.P., infinite G.P. and its sum		
PD2	Sum of n terms of a G.P., infinite G.P. and its sum		
PD3	Geometric mean (G.M.), relation between A.M. and G.M.		

PD4	Geometric mean (G.M.), relation between A.M. and G.M.		
PD5	Geometric mean (G.M.), relation between A.M. and G.M.		
PD6	Ambedkar Jayanti		

Subject coordinator  
Mr. A. Bhattacharya

Principal/V. Principal



## *Sir Padampat Singhania Education Centre*

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### Weekly planning overview

Session: 2023 - 20 24

**Subject** :Mathematics (041)

**Class** :11

**No. of periods** :6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK 3: 17/4/23 to 22/04/23</b>		<b>Period Count: 05</b>	
PD1	Sets and their representations	Solved Examples	
PD2	Sets and their representations		
PD3	Empty set, Finite and Infinite sets, Equal sets	Solved Examples	
PD4	Empty set, Finite and Infinite sets, Equal sets		
PD5	Subsets, Subsets of a set of real numbers especially intervals (with notations).	Solved Examples	
PD6	Subsets, Subsets of a set of real numbers especially intervals (with notations).		
PD 7	ID UL FITR	----	
<b>WEEK _4: 24/04/23 to 29/04/23</b>		<b>Period Count: 06</b>	
PD1	Subsets, Subsets of a set of real numbers especially intervals (with notations).		
PD2	Universal set. Venn diagrams.		
PD3	Union and Intersection of sets.	Solved Examples	

PD4	Difference of sets.		
PD5	Complement of a set.	Solved Examples	
PD6	Properties of Complement	Solved Examples	



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Kamla Nagar, Kanpur

### Weekly planning overview

Session: 2023 - 20 24

Subject :Mathematics (041) Class :11 No. of periods :06

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK _5: 01/05/23 to 06/05/23</b>		<b>Period Count: 05</b>	
PD1	Questions from misc,ex,		
PD2	Questions from misc,ex,		
PD3	Relations & Functions, Ordered pairs. Cartesian product of sets		
PD4	Number of elements in the Cartesian product of two finite sets. Cartesian		
PD5	Cartesian product of the set of reals with itself (up to $R \times R \times R$ ).		
PD6	Budh Purnima		
<b>WEEK _6: 08/05/23 to 13/05/23</b>		<b>Period Count:06</b>	
PD1	Definition of relation, pictorial diagrams, domain, co-domain and range of a relation.		
PD2	Definition of relation, pictorial diagrams, domain, co-domain and range of a relation.	Solved Examples	
PD3	Definition of relation, pictorial diagrams, domain, co-domain and range of a relation.		



PD4	Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function.	Solved Examples	
PD5	Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function.	Solved Examples	
PD6	Real valued functions, domain and range of these functions.		



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**Subject** : Mathematics (041)      **Class** : 11      **No. of periods** : 6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK _7: 15/05/23 to 20/05/23</b>		<b>Period Count: 06</b>	
PD1	constant, identity, polynomial functions their domain range and graph.	Solved Examples with input out put	
PD2	rational, modulus, signum functions their domain range and graph.	Solved Examples with input out put	
PD3	exponential, logarithmic with their domain range and graph.	Solved Examples with input out put	
PD4	logarithmic and greatest integer functions, with their graphs.	Solved Examples with input out put	
PD5	Sum, difference, product and quotients of functions	Questions of domain and range	
PD6	Sum, difference, product and quotients of functions	Questions of domain and range	
<b>WEEK _8: 22/5/23 to 27/5/23</b>		<b>Period Count: 06</b>	
PD1	Sum, difference, product and quotients of functions	Questions of domain and range	
PD2	Sum, difference, product and quotients of functions	Questions of domain and range	
PD3	Misc. questions for practice	From RD Sharma	

PD4	Misc. questions for practice	From RD Sharma	
PD5	Misc. questions for practice	From RD Sharma	
PD6	Misc. questions for practice	From RD Sharma	



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### Weekly planning overview

**Session: 2023 - 2024**

**Subject** :Mathematics (041)      **Class** :11      **No. of periods** : 06

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK _9: 29/05/23 to 31/05/23</b>		<b>Period Count: 02</b>	
PD1	Trigonometric Functions Positive and negative angles.	Solved examples	
PD2	SUMMER VACATION		
PD3	SUMMER VACATION		
PD4	SUMMER VACATION		
PD5	SUMMER VACATION		
PD6	SUMMER VACATION		
<b>WEEK _10: 3/7/23 to 08/7/23</b>		<b>Period Count: 06</b>	
PD1	Measuring angles in radians and in degrees and conversion from one measure to another.	----	
PD2	Measuring angles in radians and in degrees and conversion from one measure to another.	Solved Examples	

PD3	Definition of trigonometric functions with the help of unit circle.	Solved Examples	
PD4	Definition of trigonometric functions with the help of unit circle.	Solved Examples	
PD5	Definition of trigonometric functions with the help of unit circle.	----	
PD6	Truth of the identity $\sin^2 x + \cos^2 x = 1$ , for all x	----	



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**Subject** : Mathematics (041)      **Class** : 11      **No. of periods** : 06

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK 11: 10/7/23 to 15/7/23</b>		<b>Period Count: 06</b>	
PD1	Signs of trigonometric functions .A.S.T.C.	Solved Examples	
PD2	Signs of trigonometric functions .A.S.T.C.	----	
PD3	Domain and range of trigonometric functions and their graphs.	Solved Examples	
PD4	Domain and range of trigonometric functions and their graphs.	Solved examples	
PD5	Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$ , $\sin y$ , $\cos x$ & $\cos y$ and their simple applications	Solved examples	
PD6	Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$ , $\sin y$ , $\cos x$ & $\cos y$ and their simple applications	Solved examples	
<b>WEEK _12 : 17/7/23 to 22/7/23</b>		<b>Period Count: 06</b>	
PD1	Deducing identities like the following: $\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}$ , $\cot(x \pm y) = \frac{\cot x \cot y \mp 1}{\cot y \pm \cot x}$	----	
PD2	Deducing identities like the following: $\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}$ , $\cot(x \pm y) = \frac{\cot x \cot y \mp 1}{\cot y \pm \cot x}$	Solved examples	

PD3	Deducing identities like the following: $\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}$ , $\cot(x \pm y) = \frac{\cot x \cot y \mp 1}{\cot y \pm \cot x}$	Solved examples	
PD4	$\sin \alpha \pm \sin \beta = 2 \sin \frac{1}{2}(\alpha \pm \beta) \cos \frac{1}{2}(\alpha \mp \beta)$ $\cos \alpha + \cos \beta = 2 \cos \frac{1}{2}(\alpha + \beta) \cos \frac{1}{2}(\alpha - \beta)$	Solved examples	
PD5	$\sin \alpha \pm \sin \beta = 2 \sin \frac{1}{2}(\alpha \pm \beta) \cos \frac{1}{2}(\alpha \mp \beta)$ $\cos \alpha + \cos \beta = 2 \cos \frac{1}{2}(\alpha + \beta) \cos \frac{1}{2}(\alpha - \beta)$	Solved examples	
PD6	$\cos \alpha - \cos \beta = -2 \sin \frac{1}{2}(\alpha + \beta) \sin \frac{1}{2}(\alpha - \beta)$	Solved examples	



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### Weekly planning overview

Session: 2023 - 2024

**Subject** : Mathematics (041)      **Class** : 11      **No. of periods** : 6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK _13: 24/7/23 to 29/7/23</b>		<b>Period Count: 06</b>	
PD1	Identities related to $\sin 2x$ , $\cos 2x$ , $\tan 2x$	Solved examples	
PD2	Identities related to $\sin 2x$ , $\cos 2x$ , $\tan 2x$	Solved examples	
PD3	Identities related to $\sin 2x$ , $\cos 2x$ , $\tan 2x$	Solved examples	
PD4	Identities related to $\sin 2x$ , $\cos 2x$ , $\tan 2x$ , $\sin 3x$ , $\cos 3x$ and $\tan 3x$	Solved examples	
PD5	Identities related to $\sin 2x$ , $\cos 2x$ , $\tan 2x$ , $\sin 3x$ , $\cos 3x$ and $\tan 3x$	Solved examples	
PD6	Identities related to $\sin 2x$ , $\cos 2x$ , $\tan 2x$ , $\sin 3x$ , $\cos 3x$ and $\tan 3x$	Solved examples	
<b>WEEK _14 :31/7/23 to 05/8/23</b>		<b>Period Count: 06</b>	
PD1	Identities related to $\sin 2x$ , $\cos 2x$ , $\tan 2x$ , $\sin 3x$ , $\cos 3x$ and $\tan 3x$	----	
PD2	Identities related to $\sin 2x$ , $\cos 2x$ , $\tan 2x$ , $\sin 3x$ , $\cos 3x$ and $\tan 3x$	Solved examples	

PD3	Complex Numbers and Quadratic Equations, Need for complex numbers, especially $\sqrt{-1}$	Solved examples	
PD4	Complex Numbers and Quadratic Equations, Need for complex numbers, especially $\sqrt{-1}$	-----	
PD5	solve some of the quadratic equations.	----	
PD6	solve some of the quadratic equations.	----	



## *Sir Padampat Singhania Education Centre*

*Kamla Nagar, Kanpur*

### Weekly planning overview Session: 2023 - 2024

**Subject** : Mathematics (041)      **Class** : 11      **No. of periods** : 6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK _15: 07/8/23 to 12/8/23</b>		<b>Period Count: 06</b>	
PD1	algebraic properties of complex numbers.	Solved examples	
PD2	algebraic properties of complex numbers.	Completion of sheet	
PD3	algebraic properties of complex numbers.	Solved Examples	
PD4	algebraic properties of complex numbers.	----	
PD5	Argand plane	----	
PD6	Argand plane		
<b>WEEK _16 : 14/8/23 to 19/8/23</b>		<b>Period Count: 06</b>	
PD1	Linear inequalities. Algebraic solutions of linear inequalities in one variable	Solved Examples	
PD2	Linear inequalities. Algebraic solutions of linear inequalities in one variable	Solved Examples	

PD3	Linear inequalities. Algebraic solutions of linear inequalities in one variable	Solved Examples	
PD4	Linear inequalities. Algebraic solutions of linear inequalities in one variable	Solved Examples	
PD5	Linear inequalities. Algebraic solutions of linear inequalities in one variable	Solved Examples	
PD6	Independence Day		



## *Sir Padampat Singhania Education Centre*

*Kamla Nagar, Kanpur*

### Weekly planning overview Session: 2023 - 2024

**Subject** :Mathematics (241) **Class** :11 **No. of periods** :6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK _17 : 21/8/23 to 26/8/23</b>		<b>Period Count: 06</b>	
PD1	. Algebraic solutions of linear inequalities in one variable and their representation on the number line.	Solved Examples	
PD2	. Algebraic solutions of linear inequalities in one variable and their representation on the number line.	----	
PD3	. Algebraic solutions of linear inequalities in one variable and their representation on the number line.	-----	
PD4	. Algebraic solutions of linear inequalities in one variable and their representation on the number line.	----	
PD5	. Algebraic solutions of linear inequalities in one variable and their representation on the number line.	----	
PD6	. Algebraic solutions of linear inequalities in one variable and their representation on the number line.	Solved Examples	
<b>WEEK _18 : 28/8/23 to 02/9/23</b>		<b>Period Count: 06</b>	
PD1	Fundamental principle of counting.	Solved Examples	

PD2	Fundamental principle of counting.	----	
PD3	Rakshabandhan	----	
PD4	Factorial n. (n!)	----	
PD5	Permutations and combinations,	----	
PD6	Permutations and combinations,		
PD 7			



## *Sir Padampat Singhania Education Centre*

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### **Weekly planning overview**

**Session: 2023 - 2024**

**Subject** :Mathematics (041)

**Class** :11

**No. of period** : 6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK _19: 4/9/23 to 9/9/23</b>		<b>Period Count: 04</b>	
PD1	Permutations and combinations,	Solved Examples	
PD2	Teachers Day	Solved Examples	
PD3	derivation of Formulae for $nPr$ and $nCr$ and their connections, simple applications.	Solved Examples	
PD4	derivation of Formulae for $nPr$ and $nCr$ and their connections, simple applications.	----	
PD5	Janmashtami	----	
PD6	REVISION	Solved Examples	
PD 7	2 <sup>nd</sup> Saturday		
<b>WEEK _20: 11/9/23 to 16/9/23</b>		<b>Period Count: 06</b>	
PD1	HALF YEARLY EXAMINATION		

PD2	HALF YEARLY EXAMINATION		
PD3	HALF YEARLY EXAMINATION		
PD4	HALF YEARLY EXAMINATION		
PD5	HALF YEARLY EXAMINATION		
PD6	HALF YEARLY EXAMINATION		



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### Weekly planning overview

**Session: 2023 - 2024**

**Subject** :Mathematics(241)      **Class** :11      **No. of periods** :6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK _21: 18/9/23 to30/9/23</b>		<b>Period Count: 6</b>	
PD1	HALF YEARLY EXAMINATION		
PD2	HALF YEARLY EXAMINATION		
PD3	HALF YEARLY EXAMINATION		
PD4	HALF YEARLY EXAMINATION		
PD5	HALF YEARLY EXAMINATION		
PD6	HALF YEARLY EXAMINATION		
PD 7	BARAWAFAT		
<b>WEEK _22: 2/10/23 to7/10/23</b>		<b>Period Count: 05</b>	
PD1	GANDHI JAYANTI		



PD2	Binomial Theorem Historical perspective.	Solved Examples	
PD3	statement and proof of the binomial theorem for positive integral indices	----	
PD4	statement and proof of the binomial theorem for positive integral indices	Solved Examples	
PD5	statement and proof of the binomial theorem for positive integral indices	Solved Examples	
PD6	statement and proof of the binomial theorem for positive integral indices	Solved Examples	
PD 7			



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**Weekly planning overview**

**Session: 2023 - 2024**

**Subject** :Mathematics(041)

**Class** :11

**No. of periods** :6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK 23: 09/10/23 to 14/10/23</b>		<b>Period Count: 06</b>	
PD1	Pascal's triangle, simple applications.		
PD2	Pascal's triangle, simple applications.		
PD3	Straight Lines Brief recall of two dimensional geometry from earlier classes		
PD4	Slope of a line and angle between two lines.	,	
PD5	Slope of a line and angle between two lines.		
PD6	Various forms of equations of a line:		
PD 7	2 <sup>nd</sup> SATURDAY		
<b>WEEK 24: 16/10/23 to 21/10/23</b>		<b>Period Count: 6</b>	
PD1	Various forms of equations of a line:	-----	

PD2	Various forms of equations of a line:	-----	
PD3	Various forms of equations of a line:	Solved examples	
PD4	point -slope form, slope-intercept form, two-point form, intercept form	”	
PD5	point -slope form, slope-intercept form, two-point form, intercept form	”	
PD6	point -slope form, slope-intercept form, two-point form, intercept form	”	
PD 7		”	



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### Weekly planning overview

**Session: 2023 - 2024**

**Subject** :Mathematics(0 41)      **Class** :11      **No. of periods** : 4

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK 25: 23/10/23 to 28/10/23</b>		<b>Period Count: 03</b>	
PD1	/		
PD2	DUSSEHRA		
PD3	Differentiation as a process of finding derivative	Solved examples	
PD4	Distance of a point from a line.	”	
PD5	Distance of a point from a line.	”	
PD6	Misc. Exercise Problem	----	
PD 7		-----	
<b>WEEK 26: 30/10/23 to 04/11/23</b>		<b>Period Count: 06</b>	
PD1	Misc. Exercise Problem	Solved examples	

PD2	Misc. Exercise Problem		
PD3	Conic Sections Sections of a cone		
PD4	circles		
PD5	circles		
PD6	ellipse		
PD 7			



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**Weekly planning overview**  
**Session: 2023 - 2024**

**Subject** :Mathematics(041)      **Class** :11      **No. of periods** : 6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK 27:06/11/23 to11/11/23</b>		<b>Period Count: 04</b>	
PD1	ellipse	Solved examples	
PD2	parabola	,,	
PD3	parabola	,,	
PD4	hyperbola	,,	
PD5	Diwali Holidays	..	
PD6	Diwali Holidays	,,	
PD 7	Diwali Holidays	,,	
<b>WEEK 28: 13/11/23 to 18/11/23</b>		<b>Period Count: 4</b>	
PD1	Diwali Holidays	----	

PD2	Diwali Holidays	----	
PD3	hyperbola	Examples	
PD4	a pair of intersecting lines as a degenerated case of a conic section	”	
PD5	a pair of intersecting lines as a degenerated case of a conic section	”	
PD6	Standard equations and simple properties of parabola, ellipse and hyperbola	”	
PD 7		”	



## *Sir Padampat Singhania Education Centre*

*Kamla Nagar, Kanpur*

### Weekly planning overview

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**Subject** :Mathematics(041)      **Class** :11      **No. of periods** :6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK 29: 20/11/23 to 25/11/23</b>		<b>Period Count: 06</b>	
PD1	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.	-----	
PD2	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.	----	
PD3	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.	----	
PD4	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.	----	
PD5	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.	----	
PD6	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.	----	
PD 7	Guru Teg bahadur Jayanti	-----	
<b>WEEK 30: 27/11/23 to 2/12/23</b>		<b>Period Count: 06</b>	

PD1	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.	----	
PD2	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.	,,	
PD3	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.	,,	
PD4	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.	,,	
PD5	Limits and Derivatives	----	
PD6	Limits and Derivatives	----	
PD 7		-----	



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### **Weekly planning overview**

**Session: 2023 - 2024**

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**No. of periods** :6

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK _31: _04/12/23 to 09/12/23</b>		<b>Period Count: 06</b>	
PD1	Limits and Derivatives		
PD2	Limits and Derivatives		
PD3	Limits and Derivatives		
PD4	Limits and Derivatives		
PD5	Limits and Derivatives		
PD6	Limits and Derivatives		
PD 7			

**WEEK 32: 11/12/23 to 16/12/23****Period Count: 06**

PD1	Limits and Derivatives		
PD2	Limits and Derivatives		
PD3	Limits and Derivatives		
PD4	Limits and Derivatives		
PD5	Limits and Derivatives		
PD6	Limits and Derivatives		
PD 7			

***Sir Padampat Singhania Education Centre****Kamla Nagar, Kanpur***Weekly planning overview****Session: 2023 - 2024****Subject** :Mathematics(041)**Class** :11**No. of periods** : 6

<b>Period</b>	<b>Topic/s to be covered in classroom</b>	<b>Homework</b>	<b>Status (Yes/No) (Reason if No)</b>
<b>WEEK 33: 18/12/23 to 23/12/23</b>		<b>Period Count: 06</b>	
PD1	Limits and Derivatives	Solved examples	
PD2	Limits and Derivatives	„	
PD3	Limits and Derivatives	„	
PD4	Limits and Derivatives	„	
PD5	Limits and Derivatives	„	
PD6	Limits and Derivatives	„	
PD 7		„	

**WEEK 34:25/12/23 to 30/12/23****Period Count: 06**

PD1	Christmas		
PD2	Limits and Derivatives	Solved examples	
PD3	Limits and Derivatives	”	
PD4	Limits and Derivatives	”	
PD5	Limits and Derivatives	”	
PD6	Limits and Derivatives	”	
PD 7		”	



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## **Weekly planning overview**

**Session: 2023 - 2024**

**Subject** :Mathematics(041)

**Class** :11

**No. of periods** : 6

<b>Period</b>	<b>Topic/s to be covered in classroom</b>	<b>Homework</b>	<b>Status (Yes/No) (Reason if No)</b>
<b>WEEK 35:08/1/24 to13/01/24</b>		<b>Period Count: 06</b>	
PD1	Statistics Measures of Dispersion: Range, Mean deviation		
PD2	Statistics Measures of Dispersion: Range, Mean deviation	”	
PD3	Statistics Measures of Dispersion: Range, Mean deviation	”	
PD4	Statistics Measures of Dispersion: Range, Mean deviation	”	
PD5	Statistics Measures of Dispersion: Range, Mean deviation	”	
PD6	Statistics Measures of Dispersion: Range, Mean deviation	”	
PD 7		”	

**WEEK 36:15/1/24 to20/1/24****Period Count: 06**

PD1	Makar sakranti	---	
PD2	II TERM TEST	---	
PD3	II TERM TEST	---	
PD4	II TERM TEST	---	
PD5	II TERM TEST	---	
PD6	II TERM TEST	---	
PD 7		---	



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**Session: 2023 - 2024**

**Subject** :Mathematics(041) **Class** :11 **No. of periods** : 06

<b>Period</b>	<b>Topic/s to be covered in classroom</b>	<b>Homework</b>	<b>Status (Yes/No) (Reason if No)</b>
<b>WEEK _37: 22/01/24 to27/01/24</b>		<b>Period Count:06</b>	
PD1	II TERM TEST		
PD2	II TERM TEST		
PD3	II TERM TEST		
PD4	Statistics variance and standard deviation of ungrouped/grouped data		
PD5	Statistics variance and standard deviation of ungrouped/grouped data		
PD6	Republic Day		
PD 7			



**WEEK 38\_\_ : 29/01/24 to03/02/24****Period Count: \_\_06**

PD1	Statistics variance and standard deviation of ungrouped/grouped data		
PD2	Statistics variance and standard deviation of ungrouped/grouped data		
PD3	Statistics variance and standard deviation of ungrouped/grouped data		
PD4	Statistics variance and standard deviation of ungrouped/grouped data		
PD5	Statistics variance and standard deviation of ungrouped/grouped data		
PD6	Statistics variance and standard deviation of ungrouped/grouped data		
PD 7			

HOD:



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*Kamla Nagar, Kanpur*

## **Weekly planning overview**

**Session: 2023 - 2024**

**Subject** :Mathematics(041) **Class** : 11 **No. of periods** : 06

<b>Period</b>	<b>Topic/s to be covered in classroom</b>	<b>Homework</b>	<b>Status (Yes/No) (Reason if No)</b>
<b>WEEK __39: 05/02/24 to10/02/24</b>		<b>Period Count:06</b>	
PD1	Probability Events; occurrence of events, 'not', 'and' and 'or' events,		
PD2	Probability (20) Periods Events; occurrence of events, 'not', 'and' and 'or' events,		
PD3	exhaustive events, mutually exclusive events		
PD4	exhaustive events, mutually exclusive events		
PD5	Axiomatic (set theoretic) probability		
PD6	Axiomatic (set theoretic) probability		

PD 7			
<b>WEEK _40_: 12/02/24 to 17/02/24</b>		<b>Period Count: __06</b>	
PD1	connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events		
PD2	connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events		
PD3	connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events		
PD4	connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events		
PD5	REVISION		
PD6	REVISION		
PD 7			

HOD:



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**Subject** :Mathematics(041) **Class** : 11 **No. of periods** : 06

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
<b>WEEK _41_: 19/02/24 to 24/02/24</b>		<b>Period Count:06</b>	
PD1	REVISION		
PD2	REVISION		
PD3	REVISION		
PD4	REVISION		
PD5	REVISION		
PD6	ANNUAL EXAMINATION		

PD 7			
<b>WEEK 42_ : 26 /02/24 to 02/03/24</b>		<b>Period Count: _02</b>	
PD1	ANNUAL EXAMINATION		
PD2	ANNUAL EXAMINATION		
PD3	ANNUAL EXAMINATION		
PD4	ANNUAL EXAMINATION		
PD5			
PD6			
PD 7			

<b>WEEK _43_ : 04/03/24 to 09/03/24</b>		<b>Period Count:06</b>	
PD1	ANNUAL EXAMINATION		
PD2	ANNUAL EXAMINATION		
PD3	ANNUAL EXAMINATION		
PD4	ANNUAL EXAMINATION		
PD5	ANNUAL EXAMINATION		
PD6	ANNUAL EXAMINATION		
PD 7			

<b>WEEK _44_ : 11/03/24 to13/03/24</b>		<b>Period Count: _02</b>	
PD1	ANNUAL EXAMINATION		
PD2	ANNUAL EXAMINATION		
PD3	ANNUAL EXAMINATION		

PD4			
PD5			
PD6			
PD 7			

SUB . COORDINATOR

Mr.A.Bhattacharya

HOD: Mr. S. K .Sharma