तेजस्विना वधीतूमस्तु

SIR PADAMPAT SINGHANIA
EDUCATION CENTRE

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

# Lesson Plan

## Session 2026- 2027

## Class: 11th

**Subject** : **Mathematics (041)**
**Book** : **N.C.E.R.T. and R. D. Sharma**

**Subject Coordinator**
Name: Mr. Anand Dixit
Sign:

**Head of Department**
Name: Mr. Animesh Bhattacharya
Sign:

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Yearly Syllabus/Planning overview

**Session: 2026 - 2027**

**Subject:** Mathematics (041) **Class :**11th **No. of periods : 205**

| Month | Assessed in | Lesson/s to be covered (if partly covered, till where?) | Period Count |
|---|---|---|---|
| April | PT1, H.Y., Annual Exam | 1. Sets | 21 |
| May | PT1, H.Y., Annual Exam | 2. Relations & Functions,<br>3. Trigonometric Functions | 21 |
| June | PT1, H.Y., Annual Exam | 3. Trigonometric Functions | 2 |
| July | PT1, H.Y., Annual Exam<br><br>H.Y., Annual Exam | 3. Trigonometric Functions<br><br>4. Complex Numbers and Quadratic Equations | 27 |
| August | H.Y., Annual Exam | 5. Linear Inequalities<br>6. Permutations and Combinations<br>7. Binomial Theorem | 23 |
| September | H.Y., Annual Exam | 8. Sequences and Series | 12 |
| October | PT2, Annual Exam | 9. Straight Lines | 24 |
| November | PT2, Annual Exam | 10. Conic Sections<br>11. Introduction to Three-dimensional Geometry | 21 |
| December | PT2, Annual Exam | 12. Limits and Derivatives | 24 |
| January | Annual Exam | 13. Statistics<br>14. Probability | 18 |
| February | Annual Exam | Revision | 12 |
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**Subject coordinator: Mr. Anand Dixit** **HOD: Mr. Animesh Bhattacharya**

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Monthly lesson plan overview

**Session: 2026 - 2027**

**From Date : 06/04/26** **To Date: 06/03/27**
**Subject :** Mathematics (041) **Class : 11th**
**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 | | | | |
| 6/4/26 | 11/4/26 | Sets and their representations, Empty set, Finite and Infinite sets, Equal sets | 6 | | |
| 13/4/26 | 18/4/26 | Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set. Venn diagrams. | 5 | | |
| 20/4/26 | 25/4/26 | Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement. | 6 | | |
| 27/4/26 | 02/5/26 | 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 (up to R x R x R) | 5 | | |
| 04/5/26 | 09/5/26 | 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 | | |
| 11/5/26 | 16/5/26 | Domain and Co-domain practice problems | 6 | | |
| 18/5/26 | 23/5/26 | Trigonometric Functions Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. | 6 | | |
| 25/5/26 | 30/5/26 | Definition of trigonometric functions with the help of unit circle. Truth of the identity $\sin^2 x + \cos^2 x = 1$, | 3 | | |
| | | **Summer Break** | | | |
| 29/6/26 | 30/6/26 | Expressing sin (x±y) and cos (x±y) in terms of sinx, siny, cosx & cosy and their simple applications | 2 | | |
| 01/7/26 | 04/7/26 | tan(x ± y) = tan x ± tan y 1 ∓ tan x tan y , cot(x ± y) = cot x cot y ∓ 1 cot y ± cot x sinα ± sinβ = 2sin 1 2 (α ± β)cos 1 2 (α ∓ β) cosα + cosβ = 2cos 1 2 (α + β)cos 1 2 (α − β) $cos\alpha - cos\beta$ = −2$sin$ 1 2 $(\alpha + \beta)sin$ 1 2 | 4 | | |

| | | | | | |
|---|---|---|---|---|---|
| | | $(\alpha - \beta)$ Identities related to sin2x, cos2x, tan2 x, sin3x, cos3x | | | |
| 6/7/26 | 11/7/26 | Identities related to sin2x, cos2x, tan2 x, sin3x, cos3x and tan3x. | 6 | | |
| 13/7/26 | 18/7/26 | Complex Numbers and Quadratic Equations | 6 | | |
| **20-7-26** | **27-07-26** | **Periodic Test - 1** | | | |
| 20/7/26 | 25/7/26 | Linear Inequalities | 6 | | |
| 27/7/26 | 01/8/26 | Linear Inequalities | 6 | | |
| 03/8/26 | 08/8/26 | Permutations and Combinations | 6 | | |
| 10/8/26 | 14/8/26 | Permutations and Combinations | 5 | | |
| **15-08-26** | ------ | **Independence Day** | | | |

| **Date/Week** | | **Lesson/s to be covered in classroom** | **Period Count** | **Status (Yes/No) (Reason if No)** | **Principal's Sign** |
|---|---|---|---|---|---|
| **From** | **To** | | | | |
| 17/8/26 | 22/8/26 | Permutations and Combinations<br><br>Binomial Theorem | 6 | | |
| 24/8/26 | 29/8/26 | Binomial Theorem<br><br>Sequence and Series. Arithmetic Mean sum of n terms of a G.P., | 4 | | |
| 31/8/26 | 05/9/26 | infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M. | 5 | | |
| 07/9/26 | 12/9/26 | Misc. Problems of Sequences and Series | 6 | | |
| 14-09-26 | 19-09-26 | Half Yearly Examinations | 6 | | |
| 21/9/26 | 26/9/26 | Half Yearly Examinations | 6 | | |
| 28/9/26 | 03/10/26 | Basic concepts of curve and straight lines | 5 | | |
| 05/10/26 | 10/10/26 | Straight Lines, Slope of a line and angle between two lines | 6 | | |
| 12/10/26 | 17/10/26 | Straight Lines, Various forms of equations of a line: parallel to axis, point -slope form, slope-intercept form, two-point form, intercept form | 6 | | |

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|---|---|---|---|---|---|
| 19/10/26 | 24/10/26 | Conic Sections | 4 | | |
| 26/10/26 | 31/10/26 | two-point form, intercept form, Distance of a point from a line. Conic Sections | 5 | | |
| 02/11/26 | 07/11/26 | Conic Sections | 6 | | |
| 09/11/26 | 14/11/26 | Introduction to Three-dimensional Geometry | 3 | | |
| 16/11/26 | 21/11/26 | Introduction to Three-dimensional Geometry | 6 | | |
| 23/11/26 | 28/11/26 | Limits and Derivatives | 5 | | |
| 30/11/26 | 05/12/26 | Limits and Derivatives | 6 | | |
| 7/12/26 | 12/12/26 | Limits and Derivatives | 6 | | |

| **Date/Week** | | **Lesson/s to be covered in classroom** | **Period Count** | **Status (Yes/No) (Reason if No)** | **Principal's Sign** |
|---|---|---|---|---|---|
| **From** | **To** | | | | |
| 14-12-26 | 19-12-26 | Limits and Derivatives | 6 | | |
| 21/12/26 | 26/12/26 | Descriptive Statistics | 5 | | |
| 28/12/26 | 02/01/27 | Statistics | 6 | | |
| 04/01/27 | 09/01/27 | Statistics | 6 | | |
| 11/01/27 | 16/01/27 | Statistics | 5 | | |
| 18/01/27 | 23/01/27 | Probability | 6 | | |
| 25/01/27 | 30/01/27 | Probability | 6 | | |
| 01/02/27 | 06/02/27 | Revision | 6 | | |
| 08/01/27 | 13/02/27 | Revision | 6 | | |
| 14/02/27 | 17/02/27 | Revision | 4 | | |
| **18-02-27** | **03-03-27** | **Final Examinations** | | | |

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK 1: 6/04/26 to 11/04/26 Period Count: 06** | | | |
| PD1 | Revision of previous Concepts | Learn Formulas | |
| PD2 | Revision of previous Concepts | Learn Formulas | |
| PD3 | Basic concepts of Set Theory | Solved Examples | |
| PD4 | Subsets, Subsets of a set of real numbers especially intervals (with notations). | Solved Examples | |
| PD5 | Subsets, Subsets of a set of real numbers especially intervals (with notations). | Solved Examples | |
| PD6 | Universal set. Venn diagrams. | Exercise | |
| | | | |
| **WEEK 2: 13/04/26 to 18/4/26** | | **Period Count: 05** | |
| PD1 | Union and Intersection of sets. | | |
| PD2 | **Ambedkar Jayanti** | | |
| PD3 | Difference of Sets | | |
| PD4 | Complement of a set, Properties of Complement | Solved Examples | |
| PD5 | Practice problems | Exercise | |
| PD6 | Practice problems | Exercise | |
| | | | |

Subject coordinator
Mr. Anand Dixit

Principal/V. Principal

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK 3: 20/4/26 to 25/04/26** | | **Period Count: 06** | |
| PD1 | Practice of Properties | Practice Exercise | |
| PD2 | D-Morgan's Law and its proving | Practice Exercise | |
| PD3 | Practice of problems based on properties | Practice Exercise | |
| PD4 | Practice of problems based on properties | Practice Exercise | |
| PD5 | Practice of problems based on properties | Practice Exercise | |
| PD6 | Subsets, Subsets of a set of real numbers especially intervals (with notations). | Practice Exercise | |
| PD 7 | | ---- | |
| **WEEK _4: 27/04/26 to 02/05/26** | | **Period Count: 05** | |
| PD1 | Relations & Functions, Ordered pairs. Cartesian product of sets | | |
| PD2 | Number of elements in the Cartesian product of two finite sets. Cartesian | | |
| PD3 | Cartesian product of the set of reals with itself (up to R x R x R). | | |
| PD4 | Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. | Solved Examples | |
| PD5 | **Buddha Purnima** | ..... | |
| PD6 | Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. | Solved Examples | |
| | | | |

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*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _5: 04/05/26 to 09/05/26** | | **Period Count: 06** | |
| PD1 | Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. | | |
| PD2 | Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. | Solved Examples | |
| PD3 | Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. | Solved Examples | |
| PD4 | Real valued functions, domain and range of these functions. | | |
| PD5 | constant, identity, polynomial functions their domain range and graph. | | |
| PD6 | rational, modulus, signum functions their domain range and graph. | | |
| | | | |
| **WEEK _6: 11/05/26 to 16/05/26** | | **Period Count: 06** | |
| PD1 | Exponential function, logarithmic function with their domain range and graph. And greatest integer function | | |
| PD2 | Composition of functions. Practice of problems to find Domain and Range | | |
| PD3 | Sum, difference, product and quotients of functions | | |
| PD4 | Sum, difference, product and quotients of functions | Solved examples and Exercise from R,D | |
| PD5 | Practice of problems to find Domain and Range | Solved examples and Exercise from R,D | |
| PD6 | Practice of problems to find Domain and Range | Solved examples and Exercise from R,D | |
| | | | |

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*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _7: 18/05/26 to 23/05/26** | | **Period Count: 05** | |
| PD1 | Trigonometric Functions Positive and negative angles. | Solved examples | |
| PD2 | Measuring angles in radians and in degrees and conversion from one measure to another. | ---- | |
| PD3 | Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Signs of trigonometric functions .A.S.T.C. | Solved Examples | |
| PD4 | ..... | ..... | |
| PD5 | Truth of the identity sin^2x + cos^2x = 1, for all x | Solved Examples | |
| PD6 | Definition of trigonometric functions with the help of unit circle. | ---- | |
| | | | |
| **WEEK _8: 25/5/26 to 30/5/26** | | **Period Count: 03** | |
| PD1 | Expressing sin (x ± y) and cos (x ± y) in terms of sin x, sin y, cos x & cos y and their simple applications | Solved examples | |
| PD2 | Deducing identities like the following: tan(x ± y) = tan x ± tan y 1 ∓ tan x tan y , cot(x ± y) = cot x cot y ∓ 1/ cot y ± cot x | Solved examples | |
| PD3 | Remaining formulas of Trigonometry and Practice of problems from NCERT, Exercise 3.2 | Exercise 3.1 and 3.2 | |
| PD4 | **Eid Ul-Adha** | .... | |
| PD5 | **Summer Vacation** | ..... | |
| PD6 | **Summer Vacation** | | |
| | | | |

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **30/05/26 to 27/06/26 - Summer Vacations** | | | |
| **WEEK _9: 29/06/26 to 04/7/26** | | **Period Count: 06** | |
| PD1 | Domain and range of trigonometric functions and their graphs. | Solved Examples | |
| PD2 | Domain and range of trigonometric functions and their graphs. | Solved examples | |
| PD3 | Practice of graph of trigonometric functions | ..... | |
| PD4 | MIsc. Exercise from NCERT | Exercise | |
| PD5 | Practice problems related to principal domain and range | … | |
| PD6 | Problems from R.D. | Exercise | |
| **WEEK _10: 06/7/26 to 11/7/26** | | **Period Count: 06** | |
| PD1 | Practice of problems from R.D. | Practice Exercise | |
| PD2 | Practice of problems from R.D. | Practice Exercise | |
| PD3 | Practice of problems from R.D. | Practice Exercise | |
| PD4 | Practice of problems from R.D. | Practice Exercise | |
| PD5 | Doubts from Trigonometry and basic concept of complex numbers | … | |
| PD6 | Doubts from Trigonometry and basic concept of complex numbers | …. | |
| | | | |

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK 11: 13/7/26 to 18/7/26** | | **Period Count: 06** | |
| PD1 | Complex Numbers and Quadratic Equations, Need for complex numbers, especially $\sqrt{-1}$ | ----- | |
| PD2 | solve some of the quadratic equations. | ---- | |
| PD3 | solve some of the quadratic equations. | ---- | |
| PD4 | algebraic properties of complex numbers. | Solved examples | |
| PD5 | algebraic properties of complex numbers. | Completion of sheet | |
| PD6 | algebraic properties of complex numbers. | Solved Examples | |
| | | | |
| **WEEK _12: 20/7/26 to 25/7/26** | | **Period Count: 06** | |
| PD1 | Argand plane | ---- | |
| PD2 | Linear Inequalities | …… | |
| 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 | Linear inequalities. Algebraic solutions of linear inequalities in one variable | Solved Examples | |
| | | | |

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _13: 27/07/26 to 01/08/26** | | **Period Count: 06** | |
| 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 | Practice problems from R.D. | --- | |
| PD6 | Practice problems from R.D. | --- | |
| | | | |
| **WEEK _14: 03/08/26 to 08/8/26** | | **Period Count: 06** | |
| PD1 | Fundamental principle of counting. | Solved Examples | |
| PD2 | Fundamental principle of counting. | ---- | |
| PD3 | Factorial n. (n!) | ---- | |
| PD4 | Permutations and Combinations | --- | |
| PD5 | Permutations and combinations, | Solved Examples | |
| PD6 | derivation of Formulae for nPr and nCr and their connections, simple applications. | Solved Examples | |
| | | | |

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

**Subject:** Mathematics (041) **Class :**11 **No. of periods: 5**

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _15: 10/08/23 to 15/08/23** | | **Period Count: 05** | |
| PD1 | derivation of Formulae for nPr and nCr and their connections, simple applications. | ---- | |
| PD2 | Problems from NCERT | Exercise | |
| PD3 | Problems from NCERT | Exercise | |
| PD4 | Problems from NCERT | Exercise | |
| PD5 | Problems from NCERT | Exercise | |
| PD6 | **Independence Day** | | |
| | | | |
| **WEEK _16: 17/8/26 to 22/8/26** | | **Period Count: 06** | |
| PD1 | Practice Problems from R.D. | | |
| PD2 | Practice Problems from R.D. | | |
| PD3 | Practice Problems from R.D. | | |
| PD4 | Binomial Theorem Historical perspective. | Solved Examples | |
| PD5 | statement and proof of the binomial theorem for positive integral indices | ---- | |
| PD6 | statement and proof of the binomial theorem for positive integral indices | Solved Examples | |
| | | | |

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _17: 24/8/26 to 29/8/26** | | **Period Count: 04** | |
| PD1 | Pascal's triangle, simple applications. | | |
| PD2 | Pascal's triangle, simple applications. | | |
| PD3 | **Eid Ul-Milad** | ----- | |
| PD4 | Problems from R.D. | ---- | |
| PD5 | **Raksha Bandhan** | ---- | |
| PD6 | Arithmetic Mean (A.M.), Geometric Progression (G.P.), | | |
| | | | |
| **WEEK _18: 31/8/23 to 05/9/23** | | **Period Count: 05** | |
| PD1 | General term of a G.P. | | |
| PD2 | Sum of n terms of a G.P., infinite G.P. and its sum | | |
| PD3 | Sum of n terms of a G.P., infinite G.P. and its sum | ---- | |
| PD4 | Geometric mean (G.M.), relation between A.M. and G.M. | Solved examples | |
| PD5 | **Shree Krishna Janmashtami** | ---- | |
| PD6 | Problems from NCERT | Exercise | |
| PD 7 | | | |

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _19: 07/09/26 to 12/09/26** | | **Period Count: 05** | |
| PD1 | Practice of problems from R.D. | Practice Exercise | |
| PD2 | Practice of problems from R.D. | Practice Exercise | |
| PD3 | Revision | ..... | |
| PD4 | Revision | ..... | |
| PD5 | Revision | ... | |
| PD6 | HALF YEARLY EXAMINATION | | |
| PD 7 | | | |
| **WEEK _20: 14/9/26 to 19/9/26** | | **Period Count: 0** | |
| 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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# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _21: 21/09/26 to 26/09/26** | | **Period Count: 0** | |
| 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 | | | |
| **WEEK _22: 28/09/26 to 03/10/26** | | **Period Count: 05** | |
| PD1 | Straight Lines Brief recall of two-dimensional geometry from earlier classes | | |
| PD2 | Slope of a line and angle between two lines. | | |
| PD3 | Slope of a line and angle between two lines. | | |
| PD4 | Various forms of equations of a line: | | |
| PD5 | **Gandhi Jayanti** | | |
| PD6 | Various forms of equations of a line: | Solved Examples | |
| PD 7 | | | |

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*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _23: 05/10/26 to 10/10/26** | | **Period Count: 06** | |
| PD1 | Various forms of equations of a line: | ------ | |
| PD2 | Various forms of equations of a line: | Solved examples | |
| PD3 | point -slope form, slope-intercept form, two-point form, intercept form | ,, | |
| 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 | Problems from NCERT | Exercise | |
| PD 7 | | | |
| **WEEK 24: 12/10/26 to 17/10/26** | | **Period Count: 6** | |
| PD1 | Problems from NCERT | ------- | |
| PD2 | Distance of a point from a line. | ,, | |
| PD3 | Distance of a point from a line. | ,, | |
| PD4 | Misc. Exercise Problem | ---- | |
| PD5 | Practice Problems from R.D. | ,, | |
| PD6 | Problems from R.D. | .. | |
| PD 7 | | | |

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

**Subject:** Mathematics (041) **Class:**11 **No. of periods: 4**

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK 25: 19/10/26 to 20/10/26** | | **Period Count: 04** | |
| PD1 | **Ashtami, Navmi** | | |
| PD2 | **DUSSEHRA** | | |
| PD3 | Conic Sections Sections of a cone | | |
| PD4 | circles | | |
| PD5 | circles | | |
| PD6 | ellipse | | |
| PD 7 | | ----- | |
| **WEEK 26: 26/10/26 to 31/10/26** | | **Period Count: 06** | |
| PD1 | ellipse | | |
| PD2 | parabola | | |
| PD3 | parabola | | |
| PD4 | hyperbola | | |
| PD5 | hyperbola | | |
| PD6 | a pair of intersecting lines as a degenerated case of a conic section | | |
| PD 7 | | | |

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK 27: 02/11/26 to 07/11/26** | | **Period Count: 06** | |
| PD1 | Standard equations and simple properties of parabola, ellipse and hyperbola | ..... | |
| PD2 | Problems from R.D. | Exercise | |
| PD3 | Problems from R.D. | Exercise | |
| PD4 | Problems from R.D. | Exercise | |
| PD5 | Problems from R.D. | Exercise | |
| PD6 | Problems from R.D. | Exercise | |
| PD 7 | **Diwali Holidays** | **----** | |
| **WEEK 28: 09/11/26 to 14/11/26** | | **Period Count: 3** | |
| PD1 | **Diwali Holidays** | **----** | |
| PD2 | **Diwali Holidays** | **----** | |
| PD3 | **Diwali Holidays** | **----** | |
| 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 | | ,, | |

# Sir Padampat Singhania Education Centre

*Kamla Nagar, Kanpur*

## Weekly planning overview

**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK 29: 16/11/26 to 21/11/26** | | **Period Count: 06** | |
| 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 | | ----- | |
| **WEEK 30: 23/11/26 to 28/11/26** | | **Period Count: 05** | |
| PD1 | Limits and Derivatives | ---- | |
| PD2 | **Guru Nanak Jayanti/Guru Teg Bahadur Shaheedi Diwas** | ,, | |
| PD3 | Limits and Derivatives | ,, | |
| PD4 | Limits and Derivatives | ,, | |
| PD5 | Limits and Derivatives | ---- | |
| PD6 | Limits and Derivatives | ---- | |
| PD 7 | | ----- | |

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**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _31: 30/11/26 to 05/12/26** | | **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 | | | |
| **WEEK 32: 07/12/26 to 12/12/26** | | **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 | | | |

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**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK 33: 14/12/26 to 19/12/26** | | **Period Count: 06** | |
| PD1 | Practice of Problems | Solved examples | |
| PD2 | Practice of Problems | ,, | |
| PD3 | Practice of Problems | ,, | |
| PD4 | Practice of Problems | ,, | |
| PD5 | Practice of Problems | ,, | |
| PD6 | Practice of Problems | ,, | |
| PD 7 | | ,, | |
| **WEEK 34: 21/12/26 to 26/12/26** | | **Period Count: 05** | |
| PD1 | Revision Of Mean, Median and Mode | Solved examples | |
| PD2 | Practice of problems of Statistics | Solved examples | |
| PD3 | Descriptive Statistics | ,, | |
| PD4 | Mean Deviation about mean | ,, | |
| PD5 | **Christmas** | ,, | |
| PD6 | Mean Deviation about median | ,, | |
| PD 7 | | ,, | |

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**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK 35: 28/12/26 to 02/01/27** | | **Period Count: 02** | |
| PD1 | Statistics Measures of Dispersion: Range, Mean deviation | | |
| PD2 | Statistics Measures of Dispersion: Range, Mean deviation | ,, | |
| PD3 | **Winter Break** | ,, | |
| PD4 | **Winter Break** | ,, | |
| PD5 | **Winter Break** | ,, | |
| PD6 | **Winter Break** | ,, | |
| PD 7 | | ,, | |
| **WEEK 36: 04/1/27 to 09/1/27** | | **Period Count: 02** | |
| PD1 | **Winter Break** | --- | |
| PD2 | **Winter Break** | --- | |
| PD3 | **Winter Break** | --- | |
| PD4 | **Winter Break** | --- | |
| PD5 | Variance and Standard Deviation of Data | --- | |
| PD6 | Practice problems from R.D. | --- | |
| PD 7 | | --- | |

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*Kamla Nagar, Kanpur*

## Weekly planning overview
**Session: 2026 - 2027**

**Subject:** Mathematics (041) **Class :**11

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _37: 11/01/27 to 16/01/27** | | **Period Count: 05** | |
| PD1 | Statistics variance and standard deviation of ungrouped/grouped data | | |
| PD2 | Statistics variance and standard deviation of ungrouped/grouped data | | |
| PD3 | Practice from R.D. | | |
| PD4 | Practicer from R.D. | | |
| PD5 | **Makar Sankranti/ Guru Govind Singh Jayanti** | | |
| PD6 | Practicer from R.D. | | |
| PD 7 | | | |
| **WEEK 38__: 18/01/27 to 23/01/27** | | **Period Count: __06** | |
| PD1 | Probability | … | |
| PD2 | Probability Events; occurrence of events, ‘not’, ‘and’ and ‘or’ events, | … | |
| PD3 | Probability (20) Periods Events; occurrence of events, ‘not’, ‘and’ and ‘or’ events, | … | |
| PD4 | exhaustive events, mutually exclusive events | … | |
| PD5 | exhaustive events, mutually exclusive events | … | |
| PD6 | Axiomatic (set theoretic) probability | … | |
| | | | |

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**Session: 2026 - 2027**

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK __39: 25/01/27 to 30/01/27** | | **Period Count: 05** | |
| PD1 | connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events | … | |
| PD2 | **Republic Day** | … | |
| 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 | Practice from R.D. | … | |
| PD6 | Practice from R.D. | … | |
| PD 7 | | | |
| **WEEK _40_: 01/02/27 to 06/02/27** | | **Period Count: __06** | |
| PD1 | Revision | … | |
| PD2 | Revision | … | |
| PD3 | Revision | … | |
| PD4 | Revision | … | |
| PD5 | REVISION | … | |
| PD6 | REVISION | … | |
| PD 7 | | | |

Sir Padampat Singhania Education Centre

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# Weekly planning overview
## Session: 2026 - 2027

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

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _41_: 08/02/27 to 13/02/27** | | **Period Count: 06** | |
| PD1 | REVISION | | |
| PD2 | REVISION | | |
| PD3 | REVISION | | |
| PD4 | REVISION | | |
| PD5 | REVISION | | |
| PD6 | REVISION | | |
| PD 7 | | | |
| **WEEK 42__: 15/02/27 to 20/02/27** | | **Period Count: _** | |
| PD1 | ANNUAL EXAMINATION | | |
| PD2 | ANNUAL EXAMINATION | | |
| PD3 | ANNUAL EXAMINATION | | |
| PD4 | ANNUAL EXAMINATION | | |
| PD5 | ANNUAL EXAMINATION | | |
| PD6 | ANNUAL EXAMINATION | | |
| PD 7 | | | |
| **WEEK _43_: 22/02/27 to 27/02/27** | | **Period Count:06** | |
| PD1 | ANNUAL EXAMINATION | | |

| | | | |
|---|---|---|---|
| PD2 | ANNUAL EXAMINATION | | |
| PD3 | ANNUAL EXAMINATION | | |
| PD4 | ANNUAL EXAMINATION | | |
| PD5 | ANNUAL EXAMINATION | | |
| PD6 | ANNUAL EXAMINATION | | |
| PD 7 | | | |
| **WEEK _44_: 01/03/24 to 06/03/24** | | **Period Count: __00** | |
| PD1 | ANNUAL EXAMINATION | | |
| PD2 | ANNUAL EXAMINATION | | |
| PD3 | ANNUAL EXAMINATION | | |
| PD4 | ANNUAL EXAMINATION | | |
| PD5 | ANNUAL EXAMINATION | | |
| PD6 | ANNUAL EXAMINATION | | |
| PD 7 | | | |

**Subject coordinator: Mr. Anand Dixit** **HOD: Mr. Animesh Bhattacharya**