



Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Lesson Plan
Session 2021- 2022
Class: XI

Subject : **Mathematics**
Book : **N.C.E.R.T.**

Subject Coordinator
Name: Mr. Animesh Bhattacharya

Head of Department
Mr. S. K. Sharma

Sign:

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Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2021- 2022

Subject : Mathematics 041

Class : XI

No. of periods: 149 (1 hr. each)

Month	Assessed in	Lesson/s to be covered	Period Count
May	Term I Half Yearly Annual Exam	Sequences and series	09
June		Summer break	00
July	Half Yearly Annual Exam	Sets ,Relations and Functions	22
August	Half Yearly Annual Exam	Relations and Functions, Trigonometric Functions, Principle of Mathematical Induction	19
September	Half Yearly Annual Exam	Complex Numbers and Quadratic Equations , Linear Inequalities , Permutations and Combinations Test -1 , (Sep. 1- Sep8)	18
October	Half Yearly Annual Exam	Permutations and Combinations Binomial Theorem, Straight Lines , Revision (Half Yearly Exam. 25 Octt. - 12 Nov.)	19
November	Term II Annual Exam	(Half Yearly Exam. 25 Octt. - 12 Nov.) Conic Sections, Introduction to Three Dimensional Geometry	19
December	Annual Exam	Limits and Derivatives, Test – 2 (13 Dec. -20 Dec.) Limits and Derivatives contd. Mathematical Reasoning	22
January	Annual Exam	Mathematical Reasoning , Statistics, Probability	21
February	Annual Exam	Probability ,Revision , Annual Examination (24 Feb. – 9 March)	19

Subject coordinator: Mr. Animesh Bhattacharya

HOD: Mr. S. K. Sharma



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly Syllabus/Planning overview

Session: 2021 - 2022

Subject : Mathematics 041

Class : XI

No. of periods :149

Month	Date/Week		Lesson/s to be covered in classroom	Period Count
	From	To		
May	17 st May	22 nd May	Sequences and series	05
	24 th May	29 th May	Sequences and series Buddha Purnima (26 th May)	04
June	1 st June	30 th June	Summer Break	00
July	1 st July	3 rd July	Sets	03
	5 th July	10 th July	Sets	05
	12 th July	17 st July	Sets , Relations and Functions	05
	19 th July	24 th July	Relations and Functions	05
	26 th July	31 st July	Relations and Functions	05
August	2 nd August	7 th August	Relations and Functions Trigonometric Functions,	05
	9 th August	14 th August	Trigonometric Functions, Second Saturday – 14 th August Independence Day (August 15)	04
	16 th August	21 st August	Trigonometric Functions, (Raksha bandhan (August 22 nd))	05
	23 rd August	28 th August	Trigonometric Functions,	05
	30 th August	04 st September	Principle of Mathematical Induction Unit Test -1	05

September	6 th Sept	11 th Sept	Unit Test -1 Principle of Mathematical Induction Second Saturday – September 11	05
	13 th Sept	18 th Sept	Principle of Mathematical Induction, Complex Numbers and Quadratic Equations	05
	20 th Sept	25 th Sept	Complex Numbers and Quadratic Equations	05
	27 th Sept	02 nd Oct	Linear Inequalities, Permutations and Combinations Gandhi Jayanti	04
October	4 th Oct	9 th Oct	Permutations and Combinations Second Saturday – October 9	04
	11 th Oct	16 th Oct	Binomial Theorem Dusshera holidays (14 th and 15 th October)	04
	18 ^h Oct	23 nd Oct	Binomial Theorem, Straight Lines	05
	25 th Oct	30 th Oct	Half Yearly	0
November	1 st Nov	6 th Nov	Half Yearly Diwali Holidays (4 th -6 th November)	0
	8 th Nov	13 th Nov	Half Yearly Second Saturday – November 13 th	0
	15 th Nov	20 th Nov	Straight Lines, Conic Sections	05
	22 nd Nov	27 th Nov	Conic Sections	05
	29 th Nov	4 st Dec	Conic Sections , Introduction to Three Dimensional Geometry	05
December	6 th Dec	11 th Dec	Limits and Derivatives, Second Saturday (Dec11)	04
	13 th Dec	18 th Dec	Limits and Derivatives, Unit Test - 2	05
	20 th Dec	25 nd Dec	Limits and Derivatives, Christmas Day	04
	27 th Dec	01 st Jan	Mathematical Reasoning Winter break	04
January	03 rd Jan	8 th Jan	Winter break	-

	10 th Jan	15 th Jan	Mathematical Reasoning Makar Sankranti (Jan 14 th)	04
	17 th Jan	22 nd Jan	Statistics	05
	24 th Jan	29 th Jan	Statistics Republic day (Jan 26)	04
	31 st Jan	Feb 5 th	Probability	05
February	07 th Feb	12 th Feb	Probability Second Saturday-12 th Feb	04
	14 th Feb	19 th Feb	Revision	05
	21 th Feb	26 th Feb	Revision Annual Examination	03
	28 th Feb	05 th Mar	Annual Examination	00
March	07 th Mar	09 th Mar	Annual Examination	00

Subject coordinator: Mr. Animesh Bhattacharya

HOD: Mr. S. K. Sharma



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2021 - 2022

Subject :Mathematics 041

Class :11

No. of periods : 149

WEEK 1:17/05-22/05		Period Count: 5	
PD1	Sequences and series		
PD2	Sequences and series		
PD3	Sequences and series		
PD4	Sequences and series		
PD5	Sequences and series		
Note:			

WEEK 2: 24/05-29/05		Period Count: 4	
PD1	Sequences and series		
PD2	Sequences and series		
PD3	Sequences and series		
PD4	Sequences and series		
PD5			
PD6			
Note:			

WEEK 3: 01/07-03/07**Period Count: 3**

PD1	Sets		
PD2	Sets		
PD3	Sets		

Note:**WEEK 4: 05/07-10/07****Period Count: 4**

PD1	Sets		
PD2	Sets		
PD3	Sets		
PD4	Sets		
PD5	Second Saturday (10 th july)		
PD6			

Note:**WEEK 5: 12/07 - 17/07****Period Count: 5**

PD1	Sets		
PD2	Sets		
PD3	Relations and Functions		
PD4	Relations and Functions		
PD5	Relations and Functions		
PD6			

Note:

WEEK 6: 19/07-24/07

Period Count:

PD1	Relations and Functions		
PD2	Relations and Functions		
PD3	Relations and Functions		
PD4	Relations and Functions		
PD5	Relations and Functions		
PD6			

Note:

WEEK 7: 26/07-31/07

Period Count: 5

PD1	Relations and Functions		
PD2	Relations and Functions		
PD3	Relations and Functions		
PD4	Relations and Functions		
PD5	Relations and Functions		
PD6			

Note:

WEEK 8: 02/08-07/08

Period Count: 5

PD1	Relations and Functions		
PD2	Relations and Functions		
PD3	Trigonometric Functions,		

PD4	Trigonometric Functions,		
PD5	Trigonometric Functions,		
PD6			

Note:

WEEK 9: 09/08-14/08

Period Count: 4

PD1	Trigonometric Functions,		
PD2	Trigonometric Functions,		
PD3	Trigonometric Functions,		
PD4	Trigonometric Functions,		
PD5			
PD6	Second Saturday – 14 th August		

Note:

WEEK 10: 16/08-21/08

Period Count: 5

PD1	Trigonometric Functions,		
PD2	Trigonometric Functions,		
PD3	Trigonometric Functions,		
PD4	Principle of Mathematical Induction		
PD5	Principle of Mathematical Induction		
PD6			

Note:

WEEK 11: 23/08-28/08**Period Count: 5**

PD1	Principle of Mathematical Induction		
PD2	Principle of Mathematical Induction		
PD3	Principle of Mathematical Induction		
PD4	Complex Numbers and Quadratic Equations		
PD5	Complex Numbers and Quadratic Equations		
PD6			

Note:**WEEK12: 30/08-4/09****Period Count: 5**

PD1	Complex Numbers and Quadratic Equations		
PD2	Complex Numbers and Quadratic Equations		
PD3	Unit Test - 1		
PD4	Unit Test -1		
PD5	Unit Test -1		
PD6	Unit Test -1		

Note:**WEEK13: 6/09-11/09****Period Count: 4**

PD1	Unit Test -1		
PD2	Unit Test -1		
PD3	Unit Test -1		
PD4	Complex Numbers and Quadratic Equations		

PD5	Linear Inequalities,		
PD6	Linear Inequalities,		
Note:			

WEEK 14: 13/09-18/09		Period Count: 5	
PD1	Linear Inequalities,		
PD2	Linear Inequalities,		
PD3	Linear Inequalities,		
PD4	Linear Inequalities,		
PD5	Permutations and Combinations		
PD6			
Note:			

WEEK 15: 20/09-25/09		Period Count: 5	
PD1	Permutations and Combinations		
PD2	Permutations and Combinations		
PD3	Permutations and Combinations		
PD4	Permutations and Combinations		
PD5	Permutations and Combinations		
PD6			
Note:			

WEEK 16: 27/09-02/10		Period Count: 5	
PD1	Permutations and Combinations		

PD2	Permutations and Combinations		
PD3	Permutations and Combinations		
PD4	Permutations and Combinations		
PD5	Permutations and Combinations		
PD6	Gandhi Jayanti		

Note:

WEEK 17: 04/10-09/10

Period Count: 5

PD1	Binomial Theorem		
PD2	Binomial Theorem		
PD3	Binomial Theorem		
PD4	Binomial Theorem		
PD5	Binomial Theorem		
PD6	Second Saturday – October 9		

Note:

WEEK 18 :11/10-16/10

Period Count: 4

PD1	Binomial Theorem		
PD2	Straight Lines		
PD3	Straight Lines		
PD4	Dusshera holidays (14 th and 15 th October)		
PD5	Dusshera holidays (14 th and 15 th October)		

PD6			
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Note:

WEEK 19: 18/10-23/10

Period Count: 6

PD1	Straight Lines		
PD2	Straight Lines		
PD3	Straight Lines		
PD4	Straight Lines		
PD5	Straight Lines		
PD6			

Note:

WEEK 25: 25/10-30/10

Period Count: 0

PD1	Half Yearly		
PD2	Half Yearly		
PD3	Half Yearly		
PD4	Half Yearly		
PD5	Half Yearly		
PD6	Half Yearly		

Note:

WEEK 20: 01/11-06/11

Period Count: 0

PD1	Half Yearly		
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PD2	Half Yearly		
PD3	Half Yearly		
PD4	Half Yearly		
PD5	Half Yearly		
PD6	Half Yearly		

Note:

WEEK 21: 8/11-13/11

Period Count: 0

PD1	Half Yearly		
PD2	Half Yearly		
PD3	Half Yearly		
PD4	Half Yearly		
PD5	Half Yearly		
PD6	Second Saturday – November 13 th		

Note:

WEEK 22 :15/11-20/11

Period Count: 5

PD1	Straight Lines		
PD2	Conic Sections		
PD3	Conic Sections		
PD4	Conic Sections		
PD5	Conic Section		

PD6			
WEEK 23 : 22/11-27/11			Period Count:
PD1	Conic Sections		
PD2	Conic Sections		
PD3	Conic Sections		
PD4	Conic Sections		
PD5	Conic Sections		
PD6			

WEEK 24 :29/11-04/12			Period Count: 5
PD1	Conic Sections		
PD2	Introduction to Three Dimensional Geometry		
PD3	Introduction to Three Dimensional Geometry		
PD4	Introduction to Three Dimensional Geometry		
PD5	Introduction to Three Dimensional Geometry		
PD6			

Note:

WEEK 25: 06/12 - 11/12			Period Count: 5
PD1	Limits and Derivatives		
PD2	Limits and Derivatives		
PD3	Limits and Derivatives		

PD4	Limits and Derivatives		
PD5	Limits and Derivatives		
PD6	Second Saturday (Dec11)		

Note:

WEEK 26: 13/12 - 18/12

Period Count: 6

PD1	Unit Test - 2		
PD2	Unit Test - 2		
PD3	Unit Test - 2		
PD4	Unit Test - 2		
PD5	Unit Test - 2		
PD6	Unit Test - 2		

Note:

WEEK 27: 20/12 - 25/12

Period Count: 5

PD1	Unit Test - 2		
PD2	Limits and Derivatives		
PD3	Limits and Derivatives		
PD4	Limits and Derivatives		
PD5	Limits and Derivatives		
PD6	Christmas Day		

Note:

WEEK 28: 27/12 – 01/01**Period Count: 4**

PD1	Limits and Derivatives		
PD2	Mathematical Reasoning		
PD3	Mathematical Reasoning		
PD4	Mathematical Reasoning		
PD5	Winter break		
PD6	Winter break		

Note:**WEEK 29 :03/01/22-08/01/22****Period Count: 0**

PD1	Winter break		
PD2	Winter break		
PD3	Winter break		
PD4	Winter break		
PD5	Winter break		
PD6	Winter break		

Note:**WEEK 30: 10/01 – 15/01****Period Count: 5**

PD1	Statistics		
PD2	Statistics		
PD3	Statistics		

PD4	Statistics		
PD5	Makar Sankranti (Jan 14 th)		
PD6			

Note:

WEEK 31: 17/01 – 22/01

Period Count: 5

PD1	Statistics		
PD2	Statistics		
PD3	Statistics		
PD4	Statistics		
PD5	probability		
PD6			

Note:

WEEK 32: 24/1 – 29/1

Period Count: 4

probability		
probability		
Republic day (Jan 26)		
probability		
probability		

WEEK 33: 31/01 – 05/02

Period Count: 6

PD1	probability		
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PD2	probability		
PD3	probability		
PD4	probability		
PD5	probability		
PD6			
Note:			

WEEK 34: 07/02 – 12/02		Period Count: 4	
PD1	probability		
PD2	probability		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Second Saturday-12 th Feb		
Note:			

WEEK 35: 14/02 – 19/02		Period Count: 5	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		

Note:

WEEK 36: 21/02 – 26/02

Period Count: 3

PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Annual Examination		
PD5	Annual Examination		
PD6	Annual Examination		

Note:

WEEK 37: 28/02 – 05/03

Period Count: 0

PD1	Annual Examination		
PD2	Annual Examination		
PD3	Annual Examination		
PD4	Annual Examination		
PD5	Annual Examination		
PD6	Annual Examination		

Note:

WEEK 38: 7/03 – 09/03

Period Count: 0

PD1	Annual Examination		
PD2	Annual Examination		
PD3	Annual Examination		

Note:

Subjectcoordinator :

Supervisor

Principal/V. Principal